

# Bharat Heavy Electricals Limited

Heavy Electrical Equipment Plant, Ranipur, Haridwar - 249 403 (Uttarakhand) Tel.: (01334) 284080,



## भारत हैवी इलेक्ट्रिकल्स लिमिटेड

हैवी इलेक्ट्रिकल्स इक्विपमेंट प्लांट, रानीपुर हरिद्वार २४९४०३ (उत्तराखंड) दूरभाष (०१३३४) २८४०८०

### Framework Agreement (FA) / Rate Contract (RC) for purchase of Slot Liners, Insulation Angles, Insulation Strips, Multi Sectional Rings, Rounds, Insulating Screws & Insulation Tubes under enquiry No. RC/PPXEM/HEEP/BHEL/I2504 for two years.

The supplies against this framework agreement enquiry shall be subjected to our general terms and conditions of the enquiry (GISTC / P.O. In addition, the terms and conditions given under this annexure shall specifically apply to this enquiry.

**1. General:** - Material will be supplied on finished basis where no material will be free issued from BHEL against this RC/PO. **Suppliers shall upload cost in Rs./No (inclusive of premium, tooling, packing, forwarding and freight etc) on FOR BHEL Haridwar basis on NIC e-procurement portal.**

**Slot Liners, Insulation Angles, Insulation Strips, Multi Sectional Rings, Rounds, Insulating Screws & Insulation Tubes** to be supplied in accordance with the size, technical requirements as per individual purchase order (PO) placed under the Framework agreement. Procurement will be carried out progressively framework agreement valid for 24 months after its finalization with an option to short close it at any stage if required.

**2. Supply condition:** - All the **Slot Liners, Insulation Angles, Insulation Strips, Multi Sectional Rings, Rounds, Insulating Screws & Insulation Tubes** is to be supplied as specified in individual purchase orders/applicable specification. Any rejection shall have to be replaced by the vendor free of cost. **MOQ for order placement shall be indicated by bidder for each item in technical bid.**

### 3. FA Quantity & Technical Parameters: -

Total estimated requirement is as follows which shall be purchased progressively as per our requirement under the framework agreement. The quantity mentioned is nominal. Any change in requirement arising out of unforeseen reasons like customer approved vendor requirement at later stage, hold on projects etc. may increase/reduce the nominal quantity.

| Sl. No. | Material Code | Material Description | Drawing No.                 | Specification No. | Qty (No) |
|---------|---------------|----------------------|-----------------------------|-------------------|----------|
| 1       | W96413604441  | SLOT LINER           | 41360501162 Rev: 01         | AA22415 Rev: 02   | 224      |
| 2       | W98413501580  | INSULATION ANGLE     | 31350401091 Rev: 03         | AA22415 Rev: 02   | 1050     |
| 3       | W96413604239  | SLOT LINER           | 41360501137 Rev: 00         | AA22415 Rev: 02   | 32       |
| 4       | W96413604433  | SLOT LINER           | 41360501160 Rev: 01         | AA22415 Rev: 02   | 28       |
| 5       | W96413604425  | SLOT LINER           | 41360501161 Rev: 00         | AA22415 Rev: 02   | 28       |
| 6       | W90413900959  | INSULATING STRIP     | 41393601174 Rev: 02         | AA22415 Rev: 02   | 48       |
| 7       | W98413900298  | MULTI SECTIONAL RING | 31394101001 Rev: 07         | AA22415 Rev: 02   | 1        |
| 8       | W98414301711  | ROUND                | 31430901104 Rev: 00         | AA22415 Rev: 02   | 28       |
| 9       | W98414301738  | ROUND                | 31430901115 Rev: 00         | AA22415 Rev: 02   | 7        |
| 10      | W98414301746  | ROUND                | 31430901116 Rev: 00         | AA22415 Rev: 02   | 7        |
| 11      | W98414301495  | INSULATING SCREW     | 41431001191 Rev: 00         | AA22415 Rev: 02   | 910      |
| 12      | W98414200427  | INSULATION TUBE      | 31420501027- VAR-03 Rev: 03 | AA22415 Rev: 02   | 70       |
| 13      | W98414200257  | INSULATION TUBE      | 31420501027-00 Rev: 03      | AA22415 Rev: 02   | 4        |
| 14      | W98414200273  | INSULATION TUBE      | 31420501027-02 Rev: 03      | AA22415 Rev: 02   | 4        |

**4. Quality requirements:** Inspection by BHEL/BHEL nominated inspection agency as per BHEL standard QAP no. QA/BE/QP/323 Rev:11.

Vendor to submit endorsed copy of BHEL standard QAP no. QA/BE/QP/323 Rev: 11 along with their offer.

# Bharat Heavy Electricals Limited

Heavy Electrical Equipment Plant, Ranipur, Haridwar - 249 403 (Uttarakhand) Tel.: (01334) 284080.



## भारत हैवी इलेक्ट्रिकल्स लिमिटेड

हैवी इलेक्ट्रिकल्स इन्विटमेंट प्लांट, रानीपुर हरिद्वार २४९४०३ (उत्तराखंड) दूरभाष (०१३३४) २८४०८०

**5. Procedure for Bid submission:** - Offer shall be submitted by the bidders in two parts

Bid Part - I Technical cum Commercial bid

Bid Part - II Price bid

Both Part - I & Part - II of the offer to be uploaded on BHEL e-procurement site using Class III digital signature. Bidders to mandatorily put sign and seal on all the uploaded documents. The quotation should be uploaded on the site before due date / time.

Part-I of the bid shall contain Technical Offer consisting of complete details of the product offered & all techno commercial terms & conditions, PQR qualification, EMD, MII certificate, FCA and acceptance to the specification.

Part – II comprises BOQ / Price bid (GST extra).

**6. Bid opening** – Techno commercial bid (Part-I) of the offers shall be opened on the due date of tender opening on e-procurement portal. Clarifications if required on this part may be obtained from the bidders for their evaluation. The Price bid Part-II of such bidders alone shall be opened on a later date on e-procurement portal whose PQR qualification and techno-commercial bids are found acceptable. The date of 'Price bid- Part- II' shall be intimated to technically qualified bidders later.

**Pre-qualification Criteria (mandatory for further consideration of offers)**

Please note that offers of only those bidders who meet pre-qualification criteria (PQR/Insulated solid copper conductor) shall be considered. Bidders to submit all supporting documents in compliance with each requirement.

**7. Bid evaluation:** - The bids shall be evaluated on item wise total delivered cost to BHEL considering all duties/taxes/Cess/GST etc as could be applicable.

**NOTE:** In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders. In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L1 bidder shall be decided by a toss/draw of lots, in the presence of the respective L1 bidder(s) or their representative(s). Ranking will be done accordingly. BHEL's decision in such situations shall be final and binding.

**8. Delivery Period:** - Vendor to quote delivery in weeks, quoted delivery period shall be used to place regularizing PO. The material is required at BHEL Haridwar and Bidders shall commit suitable delivery period on FOR destination basis. Delivery period in the purchase order shall be as per accepted delivery period quoted by the vendor or required delivery period by BHEL, whichever is later. Bidders may note that delivery beyond committed schedule will attract penalty for delayed performance.

**9. Terms of delivery:** - FOR Destination for BHEL, Haridwar.

**10. Transit Insurance:** - By BHEL.

**11. Taxes & Duties:** - Applicable 'GST' shall be extra.

**12. Payments Term:** - 100% payment after receipt and acceptance of material as per BHEL GISTC.

**13. Validity of Framework agreement:** - 24 months from the date of finalization of framework agreement (FA) by BHEL for ordering with additional time of three months for supplies. Further BHEL will have an option to short close the framework agreement within the validity of the FA/RC, if required by BHEL.

**14. Validity of Offer:** - Offer should be valid for a period of 90 days from the date of technical bid (part I) opening date for finalization of the contract.

# Bharat Heavy Electricals Limited

Heavy Electrical Equipment Plant, Ranipur, Hardwar - 249 403 (Uttarakhand) Tel.: (01334) 284080.



## भारत हैवी इलेक्ट्रिकल्स लिमिटेड

हैवी इलेक्ट्रिकल्स इन्विपमेंट प्लांट, रानीपुर हरिद्वार २४९४०३ (उत्तराखंड) दूरभाष (०१३३४) २८४०८०

### 15. RC Quantity Tolerance: - +/-20%

**16. Levy of Penalty for delayed performance:** - Penalty @ 0.5% per week or part there of subject to maximum of 10% of the undelivered portion shall be applicable for delayed performance. Failure on the part of the bidder to accept this clause will attract the loading of maximum 10% on the quoted price for the purpose of evaluation. Date of receipt of material at BHEL works i.e. Clearance Note date will be considered for levy of penalty. LD recovery, the applicable GST shall also be recoverable from vendors.

**17. Compliance to MAKE IN INDIA circular issued by GOI:** For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract / PO / WP against this NIT.

In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/or local content in respect of this procurement, same shall be applicable.

Default purchase preference under Make in India order shall be 20% to suppliers with default minimum local content of 50% for all items / works / services. For further details, please refer latest version of GISTC.

SUPPLIER SHALL BE REQUIRED TO INDICATE PERCENTAGE OF LOCAL CONTENT AND PROVIDE SELF-CERTIFICATION THAT THE ITEM OFFERED MEETS THE LOCAL CONTENT

REQUIREMENT FOR 'CLASS-I LOCAL SUPPLIER' / 'CLASS-II LOCAL SUPPLIER' AS THE CASE MAY BE, THE LOCATION (S) AT WHICH THE LOCAL VALUE ADDITION IS MADE SHALL ALSO BE PROVIDED.

FALSE DECLARATIONS WILL BE IN BREACH OF THE CODE OF INTEGRITY UNDER RULE

175(1)(i)(h) OF THE GENERAL FINANCIAL RULES FOR WHICH A BIDDER OR ITS

SUCCESSORS CAN BE DEBARRED FOR UP TO TWO YEARS AS PER RULE 151 (iii) OF THE GENERAL FINANCIAL RULES ALONGWITH SUCH OTHER ACTIONS AS MAY BE PERMISSIBLE

UNDER LAW.

**18. E- INVOICING** UNDER GST IS IMPLEMENTED W.E.F. 01.10.2022 FOR ALL THE TAXABLE PERSONS HAVING TURNOVER MORE THAN Rs. 10 CR. IT HAS BEEN SPECIFIED BY THE GOVT. THAT IT IS MANDATORY TO MENTION A VALID UNIQUE INVOICE REFERENCE NO. (IRN) AND QR CODE AS GENERATED FROM GOVT. PORTAL ON A TAX INVOICE. BASED ON SUCH INFORMATION, GST ITC AS CLAIMED BY BHEL IN GST RETURNS SHALL BE MATCHED WITH THE CORRESPONDING DETAILS UPLOADED BY SUPPLIER IN E-INVOICING SYSTEM.

IN CASE THE VENDOR / CONTRACTOR DELAYS OR FAILS TO PROVIDE ALL DOCUMENTS AS PER THE PURCHASE ORDER / WORK ORDER AT THE TIME OF SUBMITTING TAX INVOICE TO BHEL, ANY SUBSEQUENT FINANCIAL LOSS TO BHEL ON ACCOUNT OF VENDOR/CONTRACTOR SHALL BE TO VENDOR'S / CONTRACTOR'S ACCOUNT. BHEL HAS FURTHER RIGHT TO TAKE NECESSARY STEPS TO PROTECT ITS INTEREST AT THE TIME OF RELEASE OF PAYMENT.

THIS FURTHER REQUIRES INCLUSION OF IRN AND QR CODE ON TAX INVOICE AS ANNOUNCED BY GOVT. OF INDIA W.E.F. 01.04.2021.

**19. RESPECTIVE DRAWINGS & SPECIFICATIONS OF ENQUIRED ITEMS WILL BE MADE AVAILABLE TO UNREGISTERED VENDORS ONLY AGAINST ATTACHED COPY OF 'FCA'. DEVIATION WITH REFERENCE TO SPECIFICATION/DRAWING, IF ANY, SHOULD BE CLEARLY INDICATED ON A SEPARATE SHEET.**

REVISION OF RATES IS NOT ACCEPTABLE UNLESS ASKED BY BHEL DUE TO MAJOR CHANGE IN DRAWING / SPECIFICATION / RC TENDER QUANTITY.

*THE RC TENDER QUANTITY IS SUBJECT TO INCREASE/DECREASE.*

### 20. SPECIAL TERM & CONDITIONS

**Risk Purchase:** In case of abnormal delays (beyond the maximum late delivery period as per LD clause) in supplies / defective supplies or non-fulfilment of any other terms and conditions given in

# Bharat Heavy Electricals Limited

Heavy Electrical Equipment Plant, Ranipur, Hardwar - 249 403 (Uttarakhand) Tel.: (01334) 284080,



## भारत हैवी इलेक्ट्रिकल्स लिमिटेड

हैवी इलेक्ट्रिकल्स इक्विपमेंट प्लांट, रानीपुर हरिद्वार २४९४०३ (उत्तराखंड) दूरभाष (०१३३४) २८४०८०

Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract or under General Law.

**Action against Bidders / vendor / supplier / contractor in case of default:** In order to protect the commercial interests of BHEL, BHEL shall act against supplies / contractors by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business/ money/ reputation, indulge in malpractices, cheating, bribery, fraud or any other misconduct or formation of cartels so as to influence the bidding process or influence the price etc.

Suspension of Business Dealings could be in the form of "Hold" or "Banning" a supplier/ contractor or a bidder and shall be as per "Guidelines for Suspension of Business Dealings with Suppliers/ Contractors" available at BHEL's website "<https://www.bhel.com/guidelines-suspension-businessdealings-supplierscontractors>".

21. "A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests.

**The bidder found to have a conflict of interest shall be disqualified.** A bidder may be considered to have a conflict of interest with one

or more parties in this bidding process, if:

a) they have controlling partner (s) in common; **or**

b) they receive **or** have received any direct or indirect subsidy/ financial stake from any of them; **or**

c) they have the same legal representative/agent for purposes of this bid; **or**

d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; **or**

e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components / sub-assembly / Assemblies from. one bidding manufacturer in more than one bid; **or**

f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent/dealer. There can be only one bid from the following:

1. The principal manufacturer directly or through one Indian agent on his behalf; and

# Bharat Heavy Electricals Limited

Heavy Electrical Equipment Plant, Ranipur, Haridwar - 249 403 (Uttarakhand) Tel.: (01334) 284080,



## भारत हैवी इलेक्ट्रिकल्स लिमिटेड

हैवी इलेक्ट्रिकल्स इक्विपमेंट प्लांट, रानीपुर हरिद्वार २४९४०३ (उत्तराखंड) दूरभाष (०१३३४) २८४०८०

2. Indian/foreign agent on behalf of only one principal;

or

g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; or

h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/similar line of business. "

### **22. EMD:**

EMD amount of INR 1,50,000/- is required to be submitted along with offer by any vendor not registered in HEEP BHEL HARIDWAR for enquiry item. Offer without EMD will not be accepted except for "MSE vendor and BHEL PMD I2504 approved vendor for the enquiry items".

**23. REVERSE AUCTION:** BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on [www.bhel.com](http://www.bhel.com)) for this tender. RA shall be conducted among all the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.

**24.** In addition to above Please visit our site [www.bhelhwr.co.in](http://www.bhelhwr.co.in) for latest version of General Instructions and Standard Terms & Conditions (GISTC) for Tender Enquiries. All the bidders/vendors must ensure compliance of latest GISTC Terms & Conditions.

BHEL GISTC IS APPLICABLE IN THIS CASE. IN CASE OF ANY DEVIATION FROM GISTC & SPECIAL T&C, PLEASE CLEARLY MENTION IN YOUR OFFER. BHEL RESERVE THE RIGHT NON-CONSIDER OF OFFER IN CASE OF DEVIATION FROM GISTC.

**PLEASE SUBMIT YOUR IN-TIME OFFER / BID (PART-1 & PART- 2) AT NIC PORTAL**

**<https://eprocurebhel.co.in/nicgep/app>**

**For and on behalf of BHEL, Haridwar**

**(Bharat Bhushan)  
Manager (PPX- EM)**

**COMPLIANCE SHEET FOR TECHNICAL/COMMERCIAL TERMS AND CONDITIONS as per GISTC R:06**

Quotation against Enquiry No. \_\_\_\_\_ Dated: \_\_\_\_\_ Due on: \_\_\_\_\_

| BHEL Standard Terms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Vendor's Acceptance |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>1. Payment terms:</b> <ol style="list-style-type: none"> <li>Payment term should be <b>100% payment After Receipt &amp; Acceptance of Material</b> at HEEP, BHEL-Store. Bank Charges shall be Not Applicable.</li> <li>100% payment along with taxes, freight &amp; insurance will be made after receipt and acceptance of material and within 75 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. In case any discrepancy found in the documents, BHEL will notify the same to vendor within 7 days of receipt. Vendor has to clear all the discrepancies in one go within 7 days thereafter else the payment of vendor may get delayed.</li> <li>BHEL reserves the right to accept or reject the offer of the bidder who quotes the payment term other than BHEL's standard payment term.</li> <li>Loading on account of deviation in payment terms shall be done as per extant rules of BHEL-Haridwar on bidder's offered prices.<br/>The loading criteria for the different payment terms shall be as per BHEL's GISTC (General Instructions and Standard Terms &amp; Conditions).</li> </ol> |                     |
| <b>2. TAXES &amp; DUTIES:</b><br>Applicable taxes and duties during the dispatch of material should be quoted separately in your offer. If nothing is mentioned in offer, same would be deemed included in the quoted price. Kindly confirm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |
| <b>i. Rate of GST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |
| <b>ii. Input Tax Credit Shall be available</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
| <b>iii. Any Other Duty:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |
| <b>3. Packing Charges</b> shall be included in quoted basic rates.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |
| <b>4. Forwarding Charges</b> shall be included in quoted basic rates.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |
| <b>5. Delivery basis:</b><br>On "FOR BHEL Haridwar" Basis & Freight charges shall be inclusive in quoted basic rates.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |
| <b>6. Delivery Period:</b><br>Please quote your shortest time period in weeks required for supply of material to BHEL Haridwar.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |
| <b>7. Dispatch of Material:</b><br>Items should be dispatched through BHEL approved transporters, however Indian bank approved transporters having their branch at Hardwar (details available at <a href="http://www.bhelhwr.co.in">www.bhelhwr.co.in</a> ) may be considered for dispatch of material. However, in case dispatch through IBA approved transporter demurrage/any other charges shall be borne by supplier. In case dispatch made through un-approved transporters payment shall be made after receipt & acceptance of material only and demurrage/any other charges shall be borne by supplier.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |

| BHEL Standard Terms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Vendor's Acceptance |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <p><b>8. Transit Insurance</b></p> <p>Transit insurance will be arranged by BHEL for which immediate intimation of dispatch is required as indicated in purchase order. Please send your offer keeping this in view.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
| <p><b>9. Late delivery penalty Clause:</b></p> <ul style="list-style-type: none"> <li>• Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies. Value of delayed supplies will mean the Gross Value payable to the vendor (Before LD) against such supplies excluding taxes and duties.</li> <li>• Date of Receipt of material at BHEL Haridwar Shall be treated as date of delivery for penalty purpose.</li> <li>• In case of non –acceptance to LD clause, bidder's offer will get loaded up to maximum 10 % to decide L1.</li> <li>• BHEL reserves the right to reject the bidder's offer.</li> </ul> |                     |
| <p><b>10. RISK PURCHASE.</b></p> <p>Bidder to confirm that they have read the risk purchase clause as per BHEL's GISTC and acceptable to them. If bidder does not agree to the said Risk Purchase Clause in GISTC, BHEL reserves the right to reject the offer.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |
| <p><b>11. Force Majeure.</b></p> <p>Bidder to confirm that they have read the force majeure clause as per BHEL's GISTC and acceptable to them. If bidder does not agree to the said Risk Purchase Clause in GISTC, BHEL reserves the right to reject the offer.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |
| <p><b>12. Offer Validity:</b></p> <p>Validity of the offer should be minimum 90 days from tender opening date.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |
| <p><b>13. Deviation</b></p> <p>Confirm that there is no deviation with respect to BHEL Specifications. However, deviations, if any, are to be listed as a separate attachment. The offers that do not meet the substantial requirements of our enquiry are liable to be ignored. The bidders shall be deemed to comply with all the requirements of bidding documents except for listed deviations without any extra cost irrespective of any mention to the contrary anywhere else in the bid.</p>                                                                                                                                                                                                                                                                   |                     |
| <p><b>14. Firm &amp; Fixed Price</b></p> <p>Please confirm that prices shall be firm and fixed till execution of contract. Please note that no revision in the prices or submission of supplementary price bid will be allowed during the validity of the offer. However, if there is any change by BHEL w.r.t. original specifications/ requirement/ scope/terms and conditions, the bidders may be asked by BHEL to submit only the price impact bid for such changes only.</p>                                                                                                                                                                                                                                                                                     |                     |

| BHEL Standard Terms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Vendor's Acceptance |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <p><b>15. Origin of Quotation:</b><br/> The quotation should be from the principal/original supplier even if it is submitted through their authorized agents, failing which the quotation is liable to be ignored.<br/> Also the name of principal supplier should be indicated on envelop in addition to Enquiry no and due date.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
| <p><b>16. Settlement of dispute / Arbitration</b><br/> The seat &amp; venue of arbitration shall be Haridwar as per BHEL's GISTC.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |
| <p><b>17. Test Certificates:</b><br/> Vendor to submit Test Certificate (TC) as per BHEL specifications along with dispatch documents at the time of delivery.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |
| <p><b>18. Guarantee Certificate:</b><br/> Vendor to submit Guarantee Certificate for a period of 12 Months from the date of dispatch (Invoice) along with dispatch documents at the time of delivery.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |
| <p><b>19. Quality requirements:</b><br/> Inspection by BHEL/BHEL nominated inspection agency Intertek as per BHEL standard QAP no. QA/BE/QP/323 Rev-11.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |
| <p><b>20. Validity of Framework agreement: -</b><br/> 24 months from the date of finalization of framework agreement (FA) by BHEL for ordering with additional time of three months for supplies. Further BHEL will have an option to short close the framework agreement within the validity of the FA/RC, if required by BHEL.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |
| <p><b>21. Documents requirement confirmation:</b><br/> Vendor to submit following documents along with their offer for faster processing of case: -</p> <ul style="list-style-type: none"> <li>• Detailed technical Offer.</li> <li>• PQR Documents.</li> <li>• Endorsed copy of BHEL standard QAP no. QA/BE/QP/323 Rev-11.</li> <li>• Duly endorsed copy of BHEL GISTC Rev-06.</li> <li>• Duly filled and endorsed compliance sheet.</li> </ul> <p><b>Note: Attach separate sheet for additional information if necessary. The above terms &amp; condition supersedes the terms &amp; conditions found contradictory written elsewhere in the tender enquiry and offer of bidder.</b></p> <p>Vendors are requested to comment on each applicable clause and write as "NA" if not applicable. Please attach this sheet with your techno-commercial offer.</p> <p><b>Signature with stamp</b></p> |                     |



**Help**

**Contract No:** Framework Agreement (FA) / Rate Contract (RC) for purchase of Slot Liners, Insulation Angles, Insulation Strips, Multi Sectional Rings, Rounds, Insulating Screws & Insulation Tubes under enquiry No. RC/PPXEM/HEEP/BHEL/I2504

|                                                                                                                                                                                                                                                                               |                                                                   |                  |          |        |                                                            |                                   |                     |                                                            |                                               |                                  |                                    |                                       |                                       |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------|----------|--------|------------------------------------------------------------|-----------------------------------|---------------------|------------------------------------------------------------|-----------------------------------------------|----------------------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| Name of the Bidder / Bidding Firm / Company :                                                                                                                                                                                                                                 |                                                                   |                  |          |        |                                                            |                                   |                     |                                                            |                                               |                                  |                                    |                                       |                                       |                       |
| PRICE SCHEDULE<br>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only ) |                                                                   |                  |          |        |                                                            |                                   |                     |                                                            |                                               |                                  |                                    |                                       |                                       |                       |
| NUMBER #                                                                                                                                                                                                                                                                      | TEXT #                                                            | TEXT #           | NUMBER # | TEXT # | NUMBER #                                                   | NUMBER                            | NUMBER              | NUMBER                                                     | NUMBER                                        | NUMBER                           | NUMBER                             | NUMBER #                              | NUMBER #                              | TEXT #                |
| Sl. No.                                                                                                                                                                                                                                                                       | Item Description                                                  | Item Code / Make | Quantity | Units  | BASIC RATE In Figures To be entered by the Bidder in Rs. P | GST (If applicable in Percentage) | GST Amount in Rs. P | Packing & Forwarding Charges (If applicable in Percentage) | Freight Charges (If applicable in Percentage) | Tooling Chages (If any) in Rs. P | Any Other Chages (If any) in Rs. P | TOTAL AMOUNT excluding taxes in Rs. P | TOTAL AMOUNT including taxes in Rs. P | TOTAL AMOUNT In Words |
| 1                                                                                                                                                                                                                                                                             | 2                                                                 | 3                | 4        | 5      | 7                                                          | 8                                 | 9                   | 16                                                         | 17                                            | 20                               | 21                                 | 11                                    | 12                                    | 13                    |
| 1                                                                                                                                                                                                                                                                             | SLOT LINER<br>AA22415 Rev: 02<br>41360501162 Rev: 01              | W96413604441     | 224.00   | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 2                                                                                                                                                                                                                                                                             | INSULATION ANGLE<br>AA22415 Rev: 02<br>31350401091 Rev: 03        | W98413501580     | 1050.00  | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 3                                                                                                                                                                                                                                                                             | SLOT LINER<br>AA22415 Rev: 02<br>41360501137 Rev: 00              | W96413604239     | 32.00    | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 4                                                                                                                                                                                                                                                                             | SLOT LINER<br>AA22415 Rev: 02<br>41360501160 Rev: 01              | W96413604433     | 28.00    | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 5                                                                                                                                                                                                                                                                             | SLOT LINER<br>AA22415 Rev: 02<br>41360501161 Rev: 00              | W96413604425     | 28.00    | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 6                                                                                                                                                                                                                                                                             | INSULATING STRIP<br>AA22415 Rev: 02<br>41393601174 Rev: 02        | W90413900959     | 48.00    | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 7                                                                                                                                                                                                                                                                             | MULTI SECTIONAL RING<br>AA22415 Rev: 02<br>31394101001 Rev: 07    | W98413900298     | 1.00     | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 8                                                                                                                                                                                                                                                                             | ROUND<br>AA22415 Rev: 02<br>31430901104 Rev: 00                   | W98414301711     | 28.00    | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 9                                                                                                                                                                                                                                                                             | ROUND<br>AA22415 Rev: 02<br>31430901115 Rev: 00                   | W98414301738     | 7.00     | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 10                                                                                                                                                                                                                                                                            | ROUND<br>AA22415 Rev: 02<br>31430901116 Rev: 00                   | W98414301746     | 7.00     | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 11                                                                                                                                                                                                                                                                            | INSULATING SCREW<br>AA22415 Rev: 02<br>41431001191 Rev: 00        | W98414301495     | 910.00   | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 12                                                                                                                                                                                                                                                                            | INSULATION TUBE<br>AA22415 Rev: 02<br>31420501027- VAR-03 Rev: 03 | W98414200427     | 70.00    | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 13                                                                                                                                                                                                                                                                            | INSULATION TUBE<br>AA22415 Rev: 02<br>31420501027-00 Rev: 03      | W98414200257     | 4.00     | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| 14                                                                                                                                                                                                                                                                            | INSULATION TUBE<br>AA22415 Rev: 02<br>31420501027-02 Rev: 03      | W98414200273     | 4.00     | NOs    |                                                            |                                   | 0.00                |                                                            |                                               |                                  |                                    | 0.00                                  | 0.00                                  | INR Zero Only         |
| Total in Figures                                                                                                                                                                                                                                                              |                                                                   |                  |          |        |                                                            |                                   |                     |                                                            |                                               |                                  |                                    | 0.000                                 | 0.000                                 | INR Zero Only         |
| Quoted Rate in Words                                                                                                                                                                                                                                                          |                                                                   | INR Zero Only    |          |        |                                                            |                                   |                     |                                                            |                                               |                                  |                                    |                                       |                                       |                       |

## PRE-QUALIFICATION REQUIREMENTS (TECHNICAL) FOR SLOT LINER (AA22415)

**INTRODUCTION:** Slot Liner is made from layers of fine & plain woven glass fabric (Non-Alkali Glass Type E) having suitable silane/volan finish with good electrical properties using thermosetting epoxy resin as bonding medium. Liners have to be manufactured by Lamination process only, other processes like pultrusion etc. are not acceptable. The material has temperature index of Min.155°C. These are used as insulating component under Rotor slot wedge. It should be possible to reduce the thickness of the Slot Liners by peeling individual layers of 0.2mm thickness. The thickness tolerance must meet the drawing requirements.

1. **EXPERIENCE:** The vendor should be a manufacturer (OEM) or OEM's Authorized Distributor / Channel Partner / Sister Concern / Group Company, with OEM having the experience of successfully manufacturing and supplying the Slot Liner to OEMs of Turbo Generator of capacity 200MW and above. In support of this, vendor to submit the following documents: -
  1. Unpriced Copy of two successfully executed purchase orders for above Slot Liner manufactured by above process and raw material for application in Turbo Generators of capacity 200MW and above, of which at least one P.O. should be of the material supplied during last seven years from date of enquiry.
  2. Copy of Test Certificates (for dimensional, mechanical and electrical test, etc.) for the above Slot Liner corresponding to anyone of purchase order (not more than seven years old) submitted against clause no 1.1.
  3. Documentary evidence of acceptance of material, pertaining to purchase order for which TC has been submitted.
2. **MANUFACTURING FACILITIES:** Vendor/OEM to confirm that they have all the manufacturing facilities in-house for above Slot Liner meeting the requirements as per BHEL specification AA22415 rev 02.
3. **TESTING FACILITIES:** Vendor/OEM to confirm that they have in-house test facilities, sufficient to carry out all the test as per enquired specification AA22415 rev 02. In case vendor conducts test at an external testing agency, vendor to furnish the details of the same, e.g. NABL accredited/Government approved Lab.
4. Vendor to provide the product technical datasheet or details/TC of raw materials being required for manufacturing the enquired item.
5. Vendor to confirm the detailed technical requirements given in the enquired specification and drawing (if any).
6. Vendor who is supplying this item to BHEL for the first time has to submit one complete set of samples as per Table - 1 for testing the material as per Clause 8,9 & 10 of BHEL specification AA22415 Rev 02. Vendor will be qualified on the basis of successful laboratory evaluation of samples as per specification AA22415 Rev 02, in addition to qualifying other requirement of PQR.

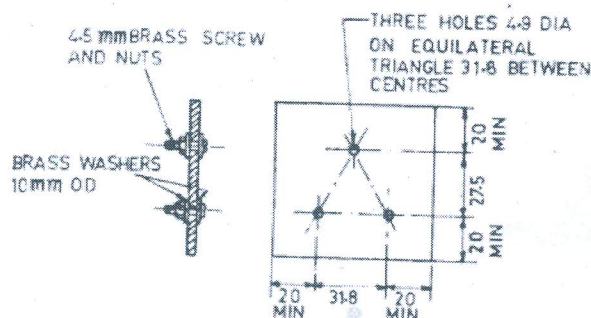


Fig. 12 Specimen And Electrodes

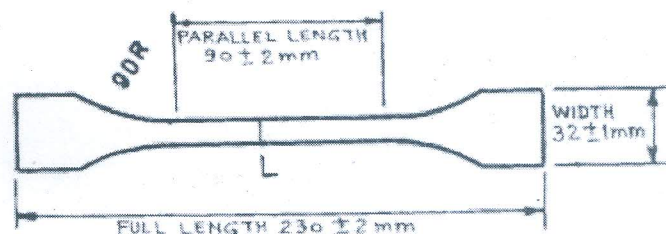


Fig. 1 Specimen for Tensile Strength Test.

*[Signature]*  
11/01/2023  
(VITIN RAS)  
Manager ISE&CPL

*[Signature]*  
11/01/23  
SHIVANGI  
Dy. Mgr / EME

*[Signature]*  
11/01/23  
ASHA GUPTA  
SDGM / EME

*[Signature]*  
11/1/23  
Aniruddh Tiwari  
Asst. Mgr. ISE&CPL, SDGM



| S.No | Test Parameter                    | Dimension (in mm)                                                                                                                          | Minimum No of samples |
|------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1    | Specific Gravity                  | L/W/Tk = 20/20/10                                                                                                                          | 2                     |
| 2    | MHDT                              | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm :Machine down to 10mm uniformly on both sides)                                          | 3                     |
| 3    | Water Absorption                  | L/W/Tk = 38/38/10<br>(If sheet thickness is >25mm:Machine down to 25mm leaving one surface intact)                                         | 2                     |
| 4    | Cross Breaking Strength at R.T    | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 5    | Cross Breaking Strength at 150°C) | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 6    | Compression Strength              | L/W/Tk = 15/15/25<br>(Layers can be buildup to achieve 25mm thickness of sample e.g. 15/15/10 & 15/15/5 samples piled up to make 15/15/25) | 5                     |
| 7    | Impact Strength-Charpy Flatwise   | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                      | 5                     |
| 8    | Electrical strength (Edgewise)    | L/W/Tk = 100/25/10 (No surface machining allowed)                                                                                          | 2                     |
| 9    | Heat shock test                   | L/W/Tk = 100 x 100 x 10 (No surface machining allowed)                                                                                     | 2                     |
| 10   | Splitting load (Edgewise)         | L/W/Tk = 20±0.2 /20±0.2/ 10±0.1<br>(Machine down to 10mm uniformly on both sides)                                                          | 5                     |
| 11   | Insulation Resistance             | L/W/Tk = Fig.12 / Fig.12 /10                                                                                                               | 3                     |
| 12   | Electrical strength (Flatwise)    | L/W/Tk = 150/150/3 (No surface machining allowed)                                                                                          | 3                     |
| 13   | Tan Delta                         | L/W/Tk = 150/150/3 (No surface machining allowed)                                                                                          | 3                     |
| 14   | CTI                               | L/W/Tk = 20/20/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                       | 3                     |
| 15   | Tensile Strength                  | Thickness: 10 mm. Other dimensions as per figure-1                                                                                         | 5                     |

L: Length (in mm), W: Width (in mm), Tk: Thickness (in mm)

Sample machining must be done in a manner such that Length & Width side are parallel to Glass Fabric layers and Thickness is perpendicular to Glass Fabric layers.

#### NOTE

- BHEL reserves the right to verify the information submitted by the vendor. In case the information is found to be false or incorrect, the offer shall be rejected.
- All the documents should be furnished in English language only. If the document provided by vendor is in any language other than English, it must be supported with its certified English translation.
- In case vendor is Authorized Distributor/Channel Partner/Sister Concern / Group Company, experience/manufacturing & testing facilities of OEM may also be considered.

  
Nitin Raj 11/01/2023  
Manager / ISE & CPL

  
SHIVANBHI  
DY. MGR/EME

  
Asha Gupta 11/01/23  
SDGM / EME

  
Anirudha Tijare 11/1/23  
AGM / ISE, CPL & GRI



## PRE-QUALIFICATION REQUIREMENTS (TECHNICAL) FOR INSULATION ANGLE (AA22415)

**INTRODUCTION:** Insulation Angle (as per NEMA L1-1 Grade G11 or equivalent) are made from layers of fine & plain woven glass fabric (Non-Alkali Glass Type E) having suitable silane/volan finish with good electrical properties using thermosetting epoxy resin as bonding medium. The material has temperature index of Min.155°C. The material shall withstand Minimum 5KV, 1-minute proof for Insulation thickness  $1.2 \pm 0.1$ mm.

1. **EXPERIENCE:** The vendor should have experience of successful manufacturing and supplying the above material of any thickness with thickness tolerance  $\leq 0.1$ mm to OEM of Turbo/Hydro-Generator/Rotating Electrical machines during last seven years from date of enquiry. In support of which, vendor to submit the following documents: -
  - 1.1. Unpriced Copy of two successfully executed purchase order of Insulating components (as per above material) manufactured by Extrusion/ Hot Pressing Process having thickness tolerance  $\leq 0.1$ mm to OEM of Turbo/Hydro-Generator/Rotating Electrical machines.
  - 1.2. Copy of one Test Certificate for the above material corresponding to any of the purchase orders submitted as per clause 1.1.
  - 1.3. Vendor to submit the documentary evidence of acceptance of material, pertaining to purchase order for which TC has been submitted as per clause 1.2.
2. **MANUFACTURING FACILITIES:** Vendor to confirm that they have all in-house manufacturing facilities for above Insulating Strip and also to provide the details of the same.
3. **TESTING FACILITIES:** Vendor to confirm that they have in-house test facilities, sufficient to carry out all the tests as per enquired specification AA22415 Rev 02 and also to provide the details of the same. In case vendor get the tests conducted at an external testing agency, vendor to furnish the details of the same, e.g. NABL accredited/Government approved Lab.
4. Details/TC of raw materials required for manufacturing the enquired item.
5. Vendor to confirm the detailed technical requirement of the enquired Specification AA22415 rev 02 and drawing.
6. Vendor who is supplying this item to BHEL for the first time has to submit one complete set of samples as per Table - 1 for testing the material as per Clause 8,9 & 10 of BHEL specification AA22415 rev 02. Vendor will be qualified on the basis of successfully laboratory evaluation of submitted samples as per specification AA22415 rev 02 and shop trial, in addition to qualifying other requirement of PQR.

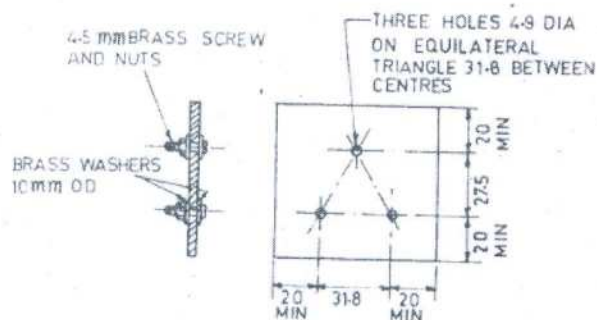


Fig. 12 Specimen And Electrodes

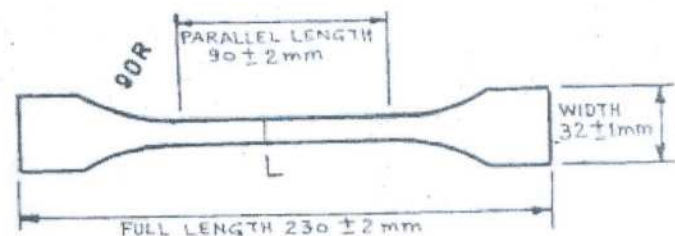


Fig. 1 Specimen for Tensile Strength Test.

*[Signature]*  
06/05/23  
(NITIN RAO)  
Manager/ISE&CPL

*[Signature]*  
06/05/23  
(PRATIBHA GUPTA)  
MANAGER-EME

*[Signature]*  
06/05/23  
Anirudh Tiwari  
ASM-ISE/CPL/2551



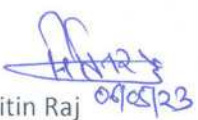
| S.No | Test Parameter                                | Dimension (in mm)                                                                                                                          | Minimum No of samples |
|------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1    | Specific Gravity                              | L/W/Tk = 20/20/10                                                                                                                          | 2                     |
| 2    | MHDT                                          | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm :Machine down to 10mm uniformly on both sides)                                          | 3                     |
| 3    | Water Absorption                              | L/W/Tk = 38/38/10<br>(If sheet thickness is >25mm:Machine down to 25mm leaving one surface intact)                                         | 2                     |
| 4    | Cross Breaking Strength at R.T                | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 5    | Cross Breaking Strength at 150°C)             | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 6    | Compression Strength                          | L/W/Tk = 15/15/25<br>(Layers can be buildup to achieve 25mm thickness of sample e.g. 15/15/10 & 15/15/5 samples piled up to make 15/15/25) | 5                     |
| 7    | Impact Strength-Charpy Flatwise               | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                      | 5                     |
| 8    | Electrical strength (Parallel to layers)      | L/W/Tk = 100/25/10 (No surface machining allowed)                                                                                          | 2                     |
| 9    | Heat shock test                               | L/W/Tk = 100 x 100 x 10 (No surface machining allowed)                                                                                     | 2                     |
| 10   | Splitting load (Edgewise)                     | L/W/Tk = 20±0.2 /20±0.2/ 10±0.1<br>(Machine down to 10mm uniformly on both sides)                                                          | 5                     |
| 11   | Insulation Resistance                         | L/W/Tk = Fig.12 / Fig.12 /10                                                                                                               | 2                     |
| 12   | Electrical strength (Perpendicular to layers) | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 13   | Tan Delta                                     | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 14   | CTI                                           | L/W/Tk = 20/20/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                       | 2                     |
| 15   | Tensile Strength                              | Thickness: 10 mm. Other dimensions as per figure-1                                                                                         | 5                     |

L: Length (in mm), W: Width (in mm), Tk: Thickness (in mm)

Sample machining must be done in a manner such that Length & Width side are parallel to Glass Fabric layers and Thickness is perpendicular to Glass Fabric layers.

#### NOTE

- a) BHEL reserves the right to verify the information submitted by the vendor. In case the information is found to be false or incorrect, the offer shall be rejected.

  
Nitin Raj  
Manager / ISE & CPL

  
Pratibha Gupta  
Manager/ EME

  
Anirudha Tijare  
AGM / ISE, CPL & GRI



## PRE-QUALIFICATION REQUIREMENTS (TECHNICAL) FOR INSULATING STRIP (AA22415)

**INTRODUCTION:** Insulating Strips (as per NEMA L1-1 Grade G11 or equivalent) are made from layers of fine & plain woven glass fabric (Non-Alkali Glass Type E) having suitable silane/volan finish with good electrical properties using thermosetting epoxy resin as bonding medium. The material has temperature index of Min.155°C. These sheet strips are used as an insulation strip in between the Shaft and bearing assembly of Turbo-Generator. Thickness tolerance of the sheet is  $1 \pm 0.05$  mm and size is approx. 1500 x 250 mm.

1. **EXPERIENCE:** The vendor should have experience of successful manufacturing and supplying the above material of any thickness having thickness tolerance  $\leq 0.05$ mm to OEM of Turbo/Hydro-Generator/Rotating Electrical machines during last seven years from date of enquiry. In support of which, vendor to submit the following documents: -
  - 1.1. Unpriced Copies of two successfully executed purchase orders for Epoxy Glass Fabric Laminated sheet having thickness tolerance  $\leq 0.05$ mm, supplied to OEM of Turbo/Hydro-Generator/Rotating Electrical machines.
  - 1.2. Copy of one Test Certificate (for dimensional, mechanical and electrical test, etc.) for the above item corresponding to any one of the purchase orders submitted.
  - 1.3. Vendor to submit documentary evidence of acceptance of material, pertaining to purchase order for which TC has been submitted.
2. **MANUFACTURING FACILITIES:** Vendor to confirm that they have all in-house manufacturing facilities for above Insulating Strip and also to provide the details of the same.
3. **TESTING FACILITIES:** Vendor to confirm that they have in-house test facilities, sufficient to carry out all the test as per enquired specification AA22415 Rev 02 and also to provide the details of the same. In case vendor conducts test at an external testing agency, vendor to furnish the details of the same, e.g. NABL accredited/Government approved Lab.
4. Details/TC of raw materials required for manufacturing the enquired item.
5. Vendor to confirm the detailed technical requirement of the enquired Specification AA22415 rev 02 and drawing.
6. Vendor who is supplying this item to BHEL for the first time has to submit one complete set of samples as per Table – 1 for testing the material as per Clause 8,9 & 10 of BHEL specification AA22415 rev 02. Vendor will be qualified on the basis of basis of successfully laboratory evaluation of submitted samples as per specification AA22415 rev 02 and shop trial, in addition to qualifying other requirement of PQR.

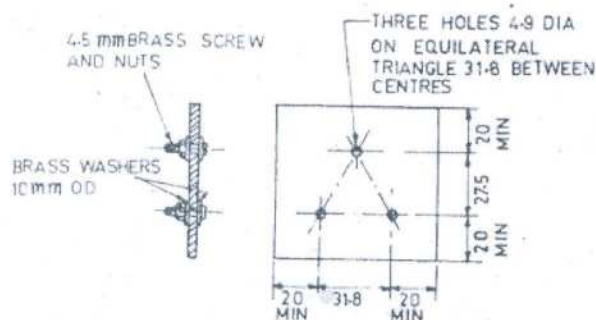


Fig. 12 Specimen And Electrodes

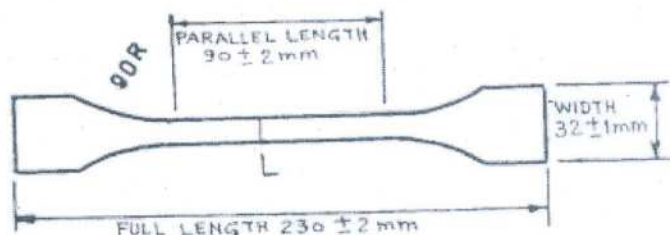


Fig. 1 Specimen for Tensile Strength Test.

*(Signature)*  
6/5/23  
(NITIN RAO)  
Manager-ISE&CPL

*(Signature)*  
6/5/23  
(PRATIBHA GUPTA)  
MANAGER-EMF

*(Signature)*  
6/5/23  
Anirudh Tiwari  
ASM-ISE/CPL&GR



| S.No | Test Parameter                                | Dimension (in mm)                                                                                                                          | Minimum No of samples |
|------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1    | Specific Gravity                              | L/W/Tk = 20/20/10                                                                                                                          | 2                     |
| 2    | MHDT                                          | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm :Machine down to 10mm uniformly on both sides)                                          | 3                     |
| 3    | Water Absorption                              | L/W/Tk = 38/38/10<br>(If sheet thickness is >25mm:Machine down to 25mm leaving one surface intact)                                         | 2                     |
| 4    | Cross Breaking Strength at R.T                | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 5    | Cross Breaking Strength at 150°C)             | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 6    | Compression Strength                          | L/W/Tk = 15/15/25<br>(Layers can be buildup to achieve 25mm thickness of sample e.g. 15/15/10 & 15/15/5 samples piled up to make 15/15/25) | 5                     |
| 7    | Impact Strength-Charpy Flatwise               | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                      | 5                     |
| 8    | Electrical strength (Parallel to layers)      | L/W/Tk = 100/25/10 (No surface machining allowed)                                                                                          | 2                     |
| 9    | Heat shock test                               | L/W/Tk = 100 x 100 x 10 (No surface machining allowed)                                                                                     | 2                     |
| 10   | Splitting load (Edgewise)                     | L/W/Tk = 20±0.2 /20±0.2/ 10±0.1<br>(Machine down to 10mm uniformly on both sides)                                                          | 5                     |
| 11   | Insulation Resistance                         | L/W/Tk = Fig.12 / Fig.12 /10                                                                                                               | 2                     |
| 12   | Electrical strength (Perpendicular to layers) | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 13   | Tan Delta                                     | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 14   | CTI                                           | L/W/Tk = 20/20/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                       | 2                     |
| 15   | Tensile Strength                              | Thickness: 10 mm. Other dimensions as per figure-1                                                                                         | 5                     |

L: Length (in mm), W: Width (in mm), Tk: Thickness (in mm)

Sample machining must be done in a manner such that Length & Width side are parallel to Glass Fabric layers and Thickness is perpendicular to Glass Fabric layers.

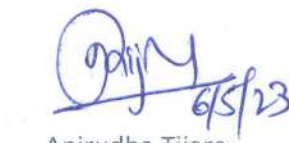
#### NOTE

- a) BHEL reserves the right to verify the information submitted by the vendor. In case the information is found to be false or incorrect, the offer shall be rejected.

  
Nitin Raj  
6/5/23

Manager / ISE & CPL

  
Pratibha Gupta  
06/05/23  
Manager/ EME

  
Anirudha Tijare  
6/5/23  
AGM / ISE, CPL & GRI

## PRE-QUALIFICATION REQUIREMENTS (TECHNICAL) FOR MULTISECTIONAL RING (AA22415)

**INTRODUCTION:** Multi-sectional Rings are machined components, manufactured from Sheets (as per NEMA L1-1 Grade G11 or equivalent) made from layers of fine & plain woven glass fabric (Non-Alkali Glass Type E) having suitable silane/volan finish with good electrical properties using thermosetting epoxy resin as bonding medium. The material has temperature index of Min.155°C. The material has temperature index of Min.155°C. It is used in air gap seal assembly for blockage of gas flow in air gap of Turbo-Generators.

1. **EXPERIENCE:** The vendor should have experience of successful manufacturing and supplying the machined component, machined out of the sheet material mentioned above to OEM of Generator of capacity 200MW and above. In support of which, vendor to submit the following documents: -
  - 1.1. Unpriced Copies of two successfully executed purchase orders of the machined component (machined out of the sheet material mentioned above) to OEM of Generator of capacity 200MW and above.
  - 1.2. Copy of Test Certificates (for dimensional, mechanical and electrical test, etc.) for the above item corresponding to the purchase orders submitted as per clause 1.1.
  - 1.3. Vendor to submit documentary evidence of acceptance of material, pertaining to purchase order submitted above as per clause 1.1.
2. **MANUFACTURING FACILITIES:** Vendor to confirm that they have all in-house manufacturing facilities for above Insulating Round. Vendor to provide details of manufacturing facility required for manufacturing above Insulating Round.
3. **TESTING FACILITIES:** Vendor to confirm that they have in-house test facilities, sufficient to carry out all the test as per enquired specification AA22415 rev 02. Vendor to provide the details of testing facilities. In case vendor conducts test at an external testing agency, vendor to furnish the details of the same, e.g. NABL accredited/Government approved Lab.
4. The vendor shall furnish TC/details of the raw material required for manufacturing the enquired item.
5. Vendor to confirm the detailed technical requirement of the enquired Specification AA22415 rev 02.
6. Vendor who is supplying this material to BHEL for the first time has to submit one complete set of samples as per Table – 1 for testing the material as per Clause 8,9 & 10 of BHEL specification AA22415 rev 02. Vendor will be qualified on the basis of successfully passing the test of submitted samples as per specification AA22415 rev 02 in addition to qualifying other requirement of PQR.

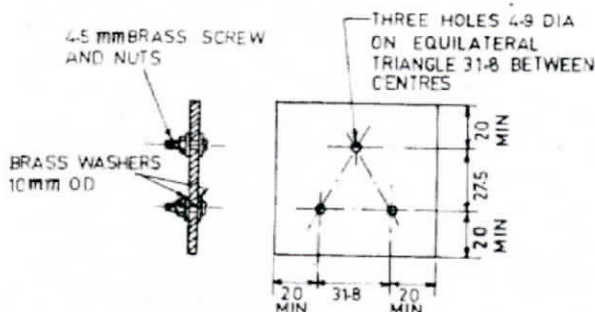


Fig. 12 Specimen And Electrodes

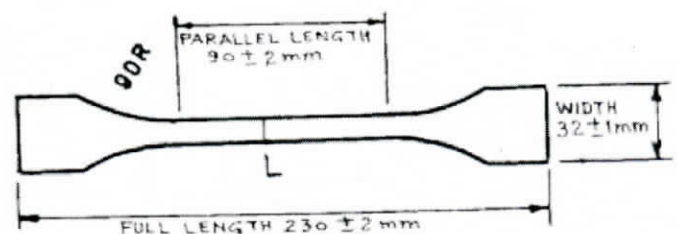


Fig. 1 Specimen for Tensile Strength Test.

09/12/2022  
(NITIN RAJ)  
Manager/ISE&CPL

09/12/22  
(Pratibha Gupta)  
Mgt/EMF

09/12/22  
Anand Le Tjane  
Asst/ISE, CPL, GRI 1 | Page of 2



TABLE - 1

| S.No | Test Parameter                                | Dimension (in mm)                                                                                                                          | Minimum No of samples |
|------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1    | Specific Gravity                              | L/W/Tk = 20/20/10                                                                                                                          | 2                     |
| 2    | MHDT                                          | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm :Machine down to 10mm uniformly on both sides)                                          | 3                     |
| 3    | Water Absorption                              | L/W/Tk = 38/38/10<br>(If sheet thickness is >25mm:Machine down to 25mm leaving one surface intact)                                         | 2                     |
| 4    | Cross Breaking Strength at R.T                | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 5    | Cross Breaking Strength at 150°C)             | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 6    | Compression Strength                          | L/W/Tk = 15/15/25<br>(Layers can be buildup to achieve 25mm thickness of sample e.g. 15/15/10 & 15/15/5 samples piled up to make 15/15/25) | 5                     |
| 7    | Impact Strength-Charpy Flatwise               | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                      | 5                     |
| 8    | Electrical strength (Parallel to layers)      | L/W/Tk = 100/25/10 (No surface machining allowed)                                                                                          | 2                     |
| 9    | Heat shock test                               | L/W/Tk = 100 x 100 x 10 (No surface machining allowed)                                                                                     | 2                     |
| 10   | Splitting load (Edgewise)                     | L/W/Tk = 20±0.2 /20±0.2/ 10±0.1<br>(Machine down to 10mm uniformly on both sides)                                                          | 5                     |
| 11   | Insulation Resistance                         | L/W/Tk = Fig.12 / Fig.12 /10                                                                                                               | 2                     |
| 12   | Electrical strength (Perpendicular to layers) | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 13   | Tan Delta                                     | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 14   | CTI                                           | L/W/Tk = 20/20/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                       | 2                     |
| 15   | Tensile Strength                              | Thickness: 10 mm. Other dimensions as per figure-1                                                                                         | 5                     |

L: Length (in mm), W: Width (in mm), Tk: Thickness (in mm)

Sample machining must be done in a manner such that Length & Width side are parallel to Glass Fabric layers and Thickness is perpendicular to Glass Fabric layers.

#### NOTE

- BHEL reserves the right to verify the information submitted by the vendor. In case the information is found to be false or incorrect, the offer shall be rejected.
- All the documents should be furnished in English language only. If the document provided by vendor is in any language other than English, it must be supported with its certified English translation.

  
Nitin Raj 09/12/2022  
Manager / ISE & CPL

  
Pratibha Gupta  
Manager/ EME

  
Anirudha Tijare 9/12  
AGM / ISE, CPL & GRI

## PRE-QUALIFICATION REQUIREMENTS (TECHNICAL) FOR INSULATING ROUND (AA22415)

**INTRODUCTION:** Insulating Round are machined components, manufactured from Sheets (as per NEMA L1-1 Grade G11 or equivalent) made from layers of fine & plain woven glass fabric (Non-Alkali Glass Type E) having suitable silane/volan finish with good electrical properties using thermosetting epoxy resin as bonding medium. The material has temperature index of Min.155°C. The material has temperature index of Min.155°C. It is used in exciter lead assembly to provide insulation for earth fault monitoring slip rings.

1. **EXPERIENCE:** The vendor should have experience of successful manufacturing and supplying the machined component, machined out of the sheet material mentioned above to OEM of Generator of capacity 200MW and above. In support of which, vendor to submit the following documents: -
  - 1.1. Unpriced Copies of two successfully executed purchase orders of the machined component (machined out of the sheet material mentioned above) to OEM of Generator of capacity 200MW and above.
  - 1.2. Copy of Test Certificates (for dimensional, mechanical and electrical test, etc.) for the above item corresponding to the purchase orders submitted as per clause 1.1.
  - 1.3. Vendor to submit documentary evidence of acceptance of material, pertaining to purchase order submitted above as per clause 1.1.
2. **MANUFACTURING FACILITIES:** Vendor to confirm that they have all in-house manufacturing facilities for above Insulating Round. Vendor to provide details of manufacturing facility required for manufacturing above Insulating Round.
3. **TESTING FACILITIES:** Vendor to confirm that they have in-house test facilities, sufficient to carry out all the test as per enquired specification AA22415 rev 02. Vendor to provide the details of testing facilities. In case vendor conducts test at an external testing agency, vendor to furnish the details of the same, e.g. NABL accredited/Government approved Lab.
4. The vendor shall furnish TC/details of the raw material required for manufacturing the enquired item.
5. Vendor to confirm the detailed technical requirement of the enquired Specification AA22415 rev 02.
6. Vendor who is supplying this material to BHEL for the first time has to submit one complete set of samples as per Table – 1 for testing the material as per Clause 8,9 & 10 of BHEL specification AA22415 rev 02. Vendor will be qualified on the basis of successfully passing the test of submitted samples as per specification AA22415 rev 02 in addition to qualifying other requirement of PQR.

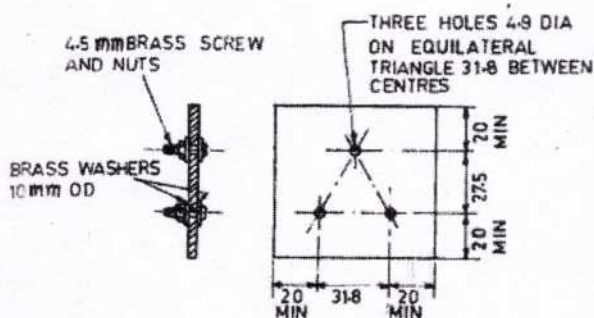


Fig. 12 Specimen And Electrodes

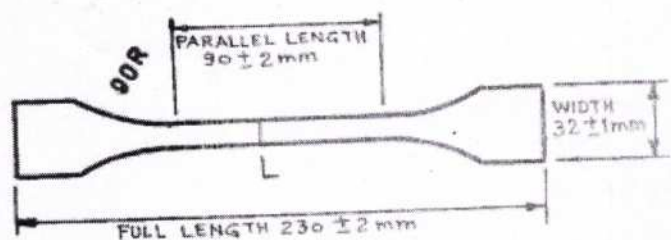


Fig. 1 Specimen for Tensile Strength Test.

*(Signature)*  
(NITIN RAS)  
Mgt / ISE&CPL

*(Signature)*

*(Signature)* 07/01/22



TABLE - 1

| S.No | Test Parameter                                | Dimension (in mm)                                                                                                                          | Minimum No of samples |
|------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1    | Specific Gravity                              | L/W/Tk = 20/20/10                                                                                                                          | 2                     |
| 2    | MHDT                                          | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm :Machine down to 10mm uniformly on both sides)                                          | 3                     |
| 3    | Water Absorption                              | L/W/Tk = 38/38/10<br>(If sheet thickness is >25mm:Machine down to 25mm leaving one surface intact)                                         | 2                     |
| 4    | Cross Breaking Strength at R.T                | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 5    | Cross Breaking Strength at 150°C)             | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 6    | Compression Strength                          | L/W/Tk = 15/15/25<br>(Layers can be buildup to achieve 25mm thickness of sample e.g. 15/15/10 & 15/15/5 samples piled up to make 15/15/25) | 5                     |
| 7    | Impact Strength-Charpy Flatwise               | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                      | 5                     |
| 8    | Electrical strength (Parallel to layers)      | L/W/Tk = 100/25/10 (No surface machining allowed)                                                                                          | 2                     |
| 9    | Heat shock test                               | L/W/Tk = 100 x 100 x 10 (No surface machining allowed)                                                                                     | 2                     |
| 10   | Splitting load (Edgewise)                     | L/W/Tk = 20±0.2 /20±0.2/ 10±0.1<br>(Machine down to 10mm uniformly on both sides)                                                          | 5                     |
| 11   | Insulation Resistance                         | L/W/Tk = Fig.12 / Fig.12 /10                                                                                                               | 2                     |
| 12   | Electrical strength (Perpendicular to layers) | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 13   | Tan Delta                                     | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 14   | CTI                                           | L/W/Tk = 20/20/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                       | 2                     |
| 15   | Tensile Strength                              | Thickness: 10 mm. Other dimensions as per figure-1                                                                                         | 5                     |

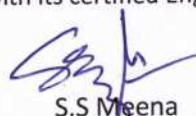
L: Length (in mm), W: Width (in mm), Tk: Thickness (in mm)

Sample machining must be done in a manner such that Length & Width side are parallel to Glass Fabric layers and Thickness is perpendicular to Glass Fabric layers.

#### NOTE

- BHEL reserves the right to verify the information submitted by the vendor. In case the information is found to be false or incorrect, the offer shall be rejected.
- All the documents should be furnished in English language only. If the document provided by vendor is in any language other than English, it must be supported with its certified English translation.

  
Nitin Raj 07/10/22  
Manager / ISE & CPL

  
S.S. Meena  
DGM/ EME

  
Rajesh Ranjan  
AGM / ISE, CPL & GRI



## PRE-QUALIFICATION REQUIREMENTS (TECHNICAL) FOR INSULATING SCREW (AA22415)

**INTRODUCTION:** Insulating screw are machined components, manufactured from Sheets (as per NEMA L1-1 Grade G11 or equivalent) made from layers of fine & plain woven glass fabric (Non-Alkali Glass Type E) having suitable silane/volan finish with good electrical properties using thermosetting epoxy resin as bonding medium. It is used in exciter diode assembly to electrically isolate diode assembly from diode wheel.

1. **EXPERIENCE:** The vendor should have experience of successful manufacturing and supplying the machined component, machined out of the sheet material mentioned above to OEM of Generator of capacity 200MW and above. In support of which, vendor to submit the following documents: -
  - 1.1. Unpriced Copies of two successfully executed purchase orders of the machined component (machined out of the sheet material mentioned above) to OEM of Generator of capacity 200MW and above.
  - 1.2. Copy of Test Certificates (for dimensional, mechanical and electrical test, etc.) for the above item corresponding to the purchase orders submitted as per clause 1.1.
  - 1.3. Vendor to submit documentary evidence of acceptance of material, pertaining to purchase order submitted above as per clause 1.1.
2. **MANUFACTURING FACILITIES:** Vendor to confirm that they have all in-house manufacturing facilities for above Insulating Screw. Vendor to provide details of manufacturing facility required for manufacturing above Insulating Screw.
3. **TESTING FACILITIES:** Vendor to confirm that they have in-house test facilities, sufficient to carry out all the test as per enquired specification AA22415 rev 02. Vendor to provide the details of testing facilities. In case vendor conducts test at an external testing agency, vendor to furnish the details of the same, e.g. NABL accredited/Government approved Lab.
4. The vendor shall furnish TC/details of the raw material required for manufacturing the enquired item.
5. Vendor to confirm the detailed technical requirement of the enquired Specification AA22415 rev 02.
6. Vendor who is supplying this material to BHEL for the first time has to submit one complete set of samples as per Table - 1 for testing the material as per Clause 8,9 & 10 of BHEL specification AA22415 rev 02. Vendor will be qualified on the basis of successfully passing the test of submitted samples as per specification AA22415 rev 02 in addition to qualifying other requirement of PQR.

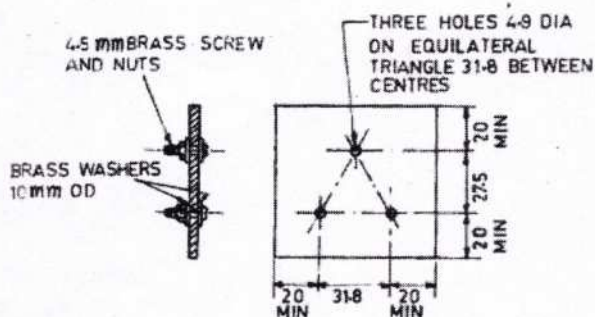


Fig. 12 Specimen And Electrodes

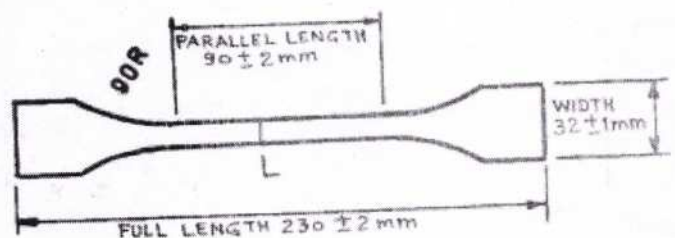


Fig. 1 Specimen for Tensile Strength Test.

06/01/22  
(NITIN RAJ)  
Mgt/ISE&CPL

07/01/22

07/01/22



TABLE - 1

| S.No | Test Parameter                                | Dimension (in mm)                                                                                                                          | Minimum No of samples |
|------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1    | Specific Gravity                              | L/W/Tk = 20/20/10                                                                                                                          | 2                     |
| 2    | MHDT                                          | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm :Machine down to 10mm uniformly on both sides)                                          | 3                     |
| 3    | Water Absorption                              | L/W/Tk = 38/38/10<br>(If sheet thickness is >25mm:Machine down to 25mm leaving one surface intact)                                         | 2                     |
| 4    | Cross Breaking Strength at R.T                | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 5    | Cross Breaking Strength at 150°C)             | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 6    | Compression Strength                          | L/W/Tk = 15/15/25<br>(Layers can be buildup to achieve 25mm thickness of sample e.g. 15/15/10 & 15/15/5 samples piled up to make 15/15/25) | 5                     |
| 7    | Impact Strength-Charpy Flatwise               | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                      | 5                     |
| 8    | Electrical strength (Parallel to layers)      | L/W/Tk = 100/25/10 (No surface machining allowed)                                                                                          | 2                     |
| 9    | Heat shock test                               | L/W/Tk = 100 x 100 x 10 (No surface machining allowed)                                                                                     | 2                     |
| 10   | Splitting load (Edgewise)                     | L/W/Tk = 20±0.2 /20±0.2/ 10±0.1<br>(Machine down to 10mm uniformly on both sides)                                                          | 5                     |
| 11   | Insulation Resistance                         | L/W/Tk = Fig.12 / Fig.12 /10                                                                                                               | 2                     |
| 12   | Electrical strength (Perpendicular to layers) | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 13   | Tan Delta                                     | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 14   | CTI                                           | L/W/Tk = 20/20/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                       | 2                     |
| 15   | Tensile Strength                              | Thickness: 10 mm. Other dimensions as per figure-1                                                                                         | 5                     |

L: Length (in mm), W: Width (in mm), Tk: Thickness (in mm)

Sample machining must be done in a manner such that Length & Width side are parallel to Glass Fabric layers and Thickness is perpendicular to Glass Fabric layers.

#### NOTE

- BHEL reserves the right to verify the information submitted by the vendor. In case the information is found to be false or incorrect, the offer shall be rejected.
- All the documents should be furnished in English language only. If the document provided by vendor is in any language other than English, it must be supported with its certified English translation.

  
Nitin Raj 06/01/22  
Manager / ISE & CPL

  
S.S. Meena  
DGM/ EME

Rajesh Ranjan  
AGM / ISE, CPL & GRI



## PRE-QUALIFICATION REQUIREMENTS (TECHNICAL) FOR INSULATING TUBE (AA22415)

**INTRODUCTION:** Insulating Tubes are made by rolling process using fine & plain woven glass fabric (Non-Alkali Glass Type E) having suitable silane/volan finish with good electrical properties using thermosetting epoxy resin as bonding medium. The material has temperature index of Min.155°C. These tubes are used as insulating component in field coil of Turbo-Generator exciters. The raw material shall confirm to the technical requirements of NEMA L1-1 Grade G11 or equivalent, when several layers are laminated to sheets.

1. **EXPERIENCE:** The vendor should have experience of successful manufacturing and supplying the Insulating Tubes/sleeves (manufactured by rolling process and the above mentioned raw materials) to OEM of Generator of capacity 200MW and above. In support of which, vendor to submit the following documents: -
  - 1.1. Unpriced Copies of two successfully executed purchase orders of the Insulating Tubes/sleeves (manufactured by rolling process and the above mentioned raw materials) to OEM of Generator of capacity 200MW and above.
  - 1.2. Copy of one Test Certificates (for dimensional, mechanical and electrical test, etc.) for the above item corresponding to the purchase orders submitted as per clause 1.1.
  - 1.3. Vendor to submit documentary evidence of acceptance of material, pertaining to purchase order submitted for which TC has been submitted.
2. **MANUFACTURING FACILITIES:** Vendor to confirm that they have all in-house manufacturing facilities for above Insulating Tubes. Vendor to provide details of manufacturing facility required for manufacturing above Insulating Tubes.
3. **TESTING FACILITIES:** Vendor to confirm that they have in-house test facilities, sufficient to carry out all the test as per enquired specification AA22415 rev 02. Vendor to provide the details of testing facilities. In case vendor conducts test at an external testing agency, vendor to furnish the details of the same, e.g. NABL accredited/Government approved Lab.
4. The vendor shall furnish TC/details of the raw material required for manufacturing the enquired item.
5. Vendor to confirm the detailed technical requirement of the enquired Specification AA22415 rev 02.
6. Vendor who is supplying this material to BHEL for the first time has to submit one complete set of samples as per Table – 1 for testing the material as per Clause 8,9 & 10 of BHEL specification AA22415 rev 02. Vendor will be qualified on the basis of successfully passing the test of submitted samples as per specification AA22415 rev 02 in addition to qualifying other requirement of PQR.

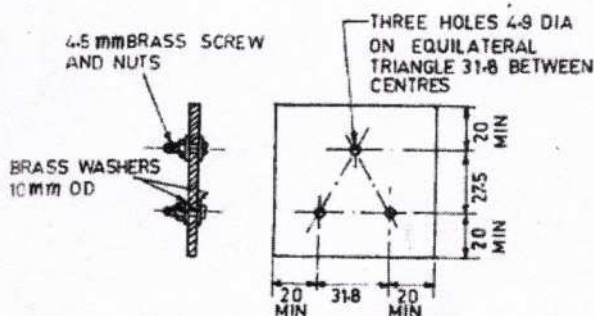


Fig. 12 Specimen And Electrodes

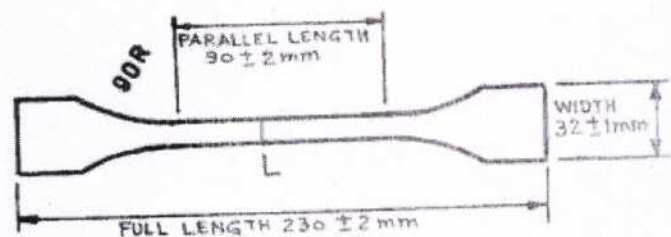


Fig. 1 Specimen for Tensile Strength Test.

*[Signature]*  
08/10/22

*[Signature]*

*[Signature]*  
15/11/2022



TABLE - 1

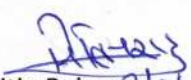
| S.No | Test Parameter                                | Dimension (in mm)                                                                                                                          | Minimum No of samples |
|------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1    | Specific Gravity                              | L/W/Tk = 20/20/10                                                                                                                          | 2                     |
| 2    | MHDT                                          | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm :Machine down to 10mm uniformly on both sides)                                          | 3                     |
| 3    | Water Absorption                              | L/W/Tk = 38/38/10<br>(If sheet thickness is >25mm:Machine down to 25mm leaving one surface intact)                                         | 2                     |
| 4    | Cross Breaking Strength at R.T                | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 5    | Cross Breaking Strength at 150°C)             | L/W/Tk = 250/ 15±0.5/ 10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                | 5                     |
| 6    | Compression Strength                          | L/W/Tk = 15/15/25<br>(Layers can be buildup to achieve 25mm thickness of sample e.g. 15/15/10 & 15/15/5 samples piled up to make 15/15/25) | 5                     |
| 7    | Impact Strength-Charpy Flatwise               | L/W/Tk = 120/15/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                      | 5                     |
| 8    | Electrical strength (Parallel to layers)      | L/W/Tk = 100/25/10 (No surface machining allowed)                                                                                          | 2                     |
| 9    | Heat shock test                               | L/W/Tk = 100 x 100 x 10 (No surface machining allowed)                                                                                     | 2                     |
| 10   | Splitting load (Edgewise)                     | L/W/Tk = 20±0.2 /20±0.2/ 10±0.1<br>(Machine down to 10mm uniformly on both sides)                                                          | 5                     |
| 11   | Insulation Resistance                         | L/W/Tk = Fig.12 / Fig.12 /10                                                                                                               | 2                     |
| 12   | Electrical strength (Perpendicular to layers) | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 13   | Tan Delta                                     | L/W/Tk = 150/150/1±0.05mm (No surface machining allowed)                                                                                   | 2                     |
| 14   | CTI                                           | L/W/Tk = 20/20/10<br>(If sheet thickness is >10mm : Machine down to 10mm leaving one surface intact)                                       | 2                     |
| 15   | Tensile Strength                              | Thickness: 10 mm. Other dimensions as per figure-1                                                                                         | 5                     |

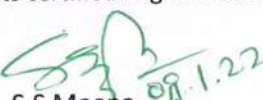
L: Length (in mm), W: Width (in mm), Tk: Thickness (in mm)

Sample machining must be done in a manner such that Length & Width side are parallel to Glass Fabric layers and Thickness is perpendicular to Glass Fabric layers.

#### NOTE

- BHEL reserves the right to verify the information submitted by the vendor. In case the information is found to be false or incorrect, the offer shall be rejected.
- All the documents should be furnished in English language only. If the document provided by vendor is in any language other than English, it must be supported with its certified English translation.

  
Nitin Raj 08/01/22  
Manager / ISE & CPL

  
S.S Meena 08.1.22  
DGM/ EME

  
Ram Sewak 15/1/2022  
AGM / ISE, CPL & GRI





# STANDARD QUALITY PLAN

Page 1 of 2

## LEGENDS:

P-PERFORMED BY 1-BHEL REP.  
W-WITNESS BY 2-VENDOR  
V-VERIFIED BY 3-SUB-VENDOR

QPNO : QA/BE/QP/323 REV.NO. : 11 DESCRIPTION: EPOXY LAMINATED GLASS FABRIC BASE SHEETS & COMPONENTS  
SPECNO: AA22415 REV.NO. : 02  
DRG : As Per PO REV.NO. : --

| SL. NO. | COMPONENT/ OPERATION | CHARACTERISTICS | CLASS | TYPE OF CHECK | QUANTUM OF CHECK | REFERENCE DOCUMENT | ACCEPTANCE NORMS | FORMAT OF RECORDS | AGENCY P W V | REMARKS |
|---------|----------------------|-----------------|-------|---------------|------------------|--------------------|------------------|-------------------|--------------|---------|
| 1       | 2                    | 3               | 4     | 5             | 6                | 7                  | 8                | 9                 | 10 11 12     | 13      |

### 1.0 Raw Material

|     |  |                                                                                                     |       |              |      |         |         |          |   |   |   |
|-----|--|-----------------------------------------------------------------------------------------------------|-------|--------------|------|---------|---------|----------|---|---|---|
| 1.1 |  | Verification of material certificate for glass cloth, epoxy resin, hardner and shelf life of resin. | Major | Verification | 100% | AA22415 | AA22415 | TC / COC | 2 | - | 1 |
|-----|--|-----------------------------------------------------------------------------------------------------|-------|--------------|------|---------|---------|----------|---|---|---|

### 2.0 Inprocess Inspection

|     |  |                                                                                                                            |       |              |      |               |               |                 |   |   |   |
|-----|--|----------------------------------------------------------------------------------------------------------------------------|-------|--------------|------|---------------|---------------|-----------------|---|---|---|
| 2.1 |  | Verification of process reigme, thickness, resin flow, soluble bond content, manufacturing date and shelf life of prepreg. | Major | Verification | 100% | Vendor's Std. | Vendor's Std. | Internal record | 2 | - | - |
| 2.2 |  | Verification of process reigme of laminate manufacturing.                                                                  | Major | Verification | 100% | Vendor's Std. | Vendor's Std. | Internal record | 2 | - | - |

### 3.0 Final Inspection

|       |                       |                                                                                                                                                                                                                                |        |             |                              |                  |                  |                    |   |   |                 |
|-------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|------------------------------|------------------|------------------|--------------------|---|---|-----------------|
| 3.1   | Routine tests         | As per specification                                                                                                                                                                                                           | Major  | Test        | As per specification         | AA22415          | AA22415          | TC*                | 2 | - | 1               |
| 3.2   | Type tests            | As per specification (One sample / thickness < 10mm & One for >10 mm , once in 2 years.)                                                                                                                                       | Major  | Test        | As per specification         | AA22415          | AA22415          | TC*                | 2 | - | 1               |
| 3.3 A | Tests to be witnessed | Specific gravity, Cross breaking strength at RT & 150 deg. C. Splitting load (Cracking resistance) & Electric strength.                                                                                                        | Critic | Test        | One sample / thickness / lot | AA22415          | AA22415          | Test report*       | 2 | 1 | -               |
| 3.3 B |                       | Heat shock test ( A specimen of size 100x100 mm of ordered thickness is kept in an oven maintained at 250 deg.C for 15 minutes. The specimen is removed directly to ambient conditions ie RT, after this period and observed). | Major  | Test        | One sample / thickness / lot | AA22415          | See note 5.      | Test report*       | 2 | 1 | -               |
| 3.4   |                       | Dimensional check.                                                                                                                                                                                                             | Major  | Measurement | 100% on each thickness       | AA22415/ Drawing | AA22415/ Drawing | Inspection report* | 2 | 1 | -               |
| 3.5   |                       | Additional tests as per drawing.                                                                                                                                                                                               | Major  | Test        | Per lot                      | Drawing          | Drawing          | Test report*       | 2 | 1 | - If applicable |

Digitally signed  
by Nishant Kumar  
Date: 2020.10.23  
08:02:56 +05'30'



# STANDARD QUALITY PLAN

Page 2 of 2

## LEGENDS:

P-PERFORMED BY 1-BHEL REP.  
W-WITNESS BY 2-VENDOR  
V-VERIFIED BY 3-SUB-VENDOR

QPNO : QA/BE/QP/323 REV.NO. : 11 DESCRIPTION: EPOXY LAMINATED GLASS FABRIC BASE SHEETS & COMPONENTS  
SPECNO: AA22415 REV.NO. : 02  
DRG : As Per PO REV.NO. : --

| SL. NO. | COMPONENT/ OPERATION | CHARACTERISTICS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CLASS | TYPE OF CHECK | QUANTUM OF CHECK | REFERENCE DOCUMENT | ACCEPTANCE NORMS | FORMAT OF RECORDS | AGENCY P W V | REMARKS |
|---------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|------------------|--------------------|------------------|-------------------|--------------|---------|
| 1       | 2                    | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4     | 5             | 6                | 7                  | 8                | 9                 | 10 11 12     | 13      |
| 3.6     |                      | Compliance of other technical requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Major | Verification  | 100%             | AA22415/ Drawing   | AA22415/ Drawing | COC*              | 2 - -        |         |
| 3.7     |                      | Completeness & correctness of document                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Major | Verification  | 100%             | AA22415/ PO/ QP    | AA22415/ PO/ QP  | Documents         | 2 - 1        |         |
| 4.0     | Packing & Marking    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |               |                  |                    |                  |                   |              |         |
| 4.1     |                      | Packing & marking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Major | Visual        | 100%             | AA22415            | AA22415          | Internal record   | 2 - -        |         |
|         | Note:                | <p>1. Woven roving fabric is not acceptable. Only woven glass yarn cloth is to be used as raw material.</p> <p>2. In case of laminate / component (involving thickness 30 mm &amp; more than 30 mm) specimen for testing for the mechanical properties shall be taken from both top / bottom &amp; middle.</p> <p>3. BHEL reserves the right to carry out repeat testing at their lab.</p> <p>4. Records as marked * shall essentially be submitted by vendor as QA documentation package.</p> <p>5. The material is considered satisfactory in this test if no delamination, cracks, splitting &amp; blistering or resin - oozing is observed at the end of the test.</p> |       |               |                  |                    |                  |                   |              |         |

Digitally signed  
by Nishant  
Kumar  
Date: 2020.10.23  
08:03:29 +05'30'



## **Certificate**

In line with Government Public Procurement (Preference to Make in India), Order 2017, P-45021/2/2017-PP (BE-II) dated 16.09.2020, we hereby certify that we M/s \_\_\_\_\_ (supplier name) are local supplier meeting the requirement of minimum local content \_\_\_\_\_ (in %) as defined in above order for the material against Enquiry No. \_\_\_\_\_

Details of location at which local value addition will be made is as follows:

\_\_\_\_\_  
\_\_\_\_\_

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Supplier



## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

### Table of Contents

|                                                                                          |    |
|------------------------------------------------------------------------------------------|----|
| 1. GENERAL .....                                                                         | 1  |
| 2. ORIGIN OF QUOTATION .....                                                             | 1  |
| 3. SUBMISSION OF TENDER .....                                                            | 1  |
| 4. TENDER OPENING .....                                                                  | 2  |
| 5. SPECIFICATION, DRAWINGS & STANDARD .....                                              | 2  |
| 6. PRICE SCHEDULE .....                                                                  | 3  |
| 7. REVERSE AUCTION .....                                                                 | 3  |
| 8. DELIVERY TERMS .....                                                                  | 3  |
| 9. PENALTY FOR LATE DELIVERY .....                                                       | 4  |
| 10. PAYMENT TERMS .....                                                                  | 4  |
| 11. TAXES & DUTIES .....                                                                 | 5  |
| 12. BANK GUARANTEE .....                                                                 | 6  |
| 13. GUARANTEE / WARRANTY AND CORRESPONDING<br>REPAIRS / REPLACEMENT OF GOODS .....       | 6  |
| 14. QUALITY REQUIREMENT .....                                                            | 6  |
| 15. VALIDITY .....                                                                       | 6  |
| 16. RIGHT OF ACCEPTANCE .....                                                            | 6  |
| 17. TRANSIT INSURANCE .....                                                              | 7  |
| 18. RISK PURCHASE .....                                                                  | 7  |
| 19. FORCE MAJEURE CLAUSE .....                                                           | 7  |
| 20. NON-DISCLOSURE AGREEMENT .....                                                       | 8  |
| 21. SETTLEMENT OF DISPUTES / ARBITRATION .....                                           | 8  |
| 22. WHARFAGE / DEMURRAGE RESPONSIBILITY .....                                            | 8  |
| 23. CONDITIONS FOR AVAILING MICRO & SMALL<br>ENTERPRISES (MSE'S) BENEFITS .....          | 8  |
| 24. INFORMATION TO THE BIDDERS .....                                                     | 10 |
| 25. MAKE IN INDIA (GOVT-NOTIFICATION) .....                                              | 10 |
| 26. RESTRICTIONS UNDER RULE 144(XI) OF THE<br>GENERAL FINANCIAL RULES (GFRs), 2017 ..... | 12 |

27. NOTE.....12

### 1. GENERAL.

These general terms & conditions shall apply to all the Tender Enquiries, notice inviting tenders, request for quotations concerning the supply of goods and / or rendering of services to Bharat Heavy Electricals Ltd., HEEP, Haridwar (hereinafter referred to as BHEL or the Purchaser). In case of placement of order these conditions will become part of Purchase Order (P.O) until unless the deviations are specifically agreed by BHEL.

### 2. ORIGIN OF QUOTATION.

- The quotation should preferably be from the principal bidder. However tender specific authorized registered dealer/agent can also submit the bid on their behalf, failing which the quotation is liable to be ignored. BHEL prefers to deal directly with the principal manufacturers.
- An agent cannot quote on behalf of more than one principal in the same Tender Enquiry.

### 3. SUBMISSION OF TENDER.

- Bid / Quotation must be enclosed in sealed cover on which tender enquiry number and the due date MUST BE written and be invariably sent under REGISTERED POST / SPEED POST / COURIER / Dropped in the Tender Box: addressed as follows:

Quotation against Enquiry No. \_\_\_\_\_

Dated: \_\_\_\_\_

Due on: \_\_\_\_\_

To,

**THE HEAD OF MATERIALS MANAGEMENT,  
Heavy Electrical Equipment Plant,  
Bharat Heavy Electricals Limited,  
HARIDWAR-249403 (Uttarakhand), INDIA.**

- TENDER ROOM is located at: Room No. - 415, 4<sup>th</sup> Floor, Main Admin. Building, BHEL-HEEP, Haridwar.

**## Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.**





## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

- c) In case of Three / Two Part Bid, technical bid containing technical offer, duly signed and un-priced copy of the Price Bid should be kept in one envelope. Price Bid containing only the price should be kept in a separate envelope. All envelopes indicating Part-1 or Part-2 or Part-3 as the case may be to be put in a bigger envelope. Please note that un-priced bid should be the exact replica of price bid but without prices.
- d) The bid / quotation must be posted before due date, keeping allowance for postal transit time. Quotations sent by any mode but not received in time will be ignored. Tender received through authorized E-mail is also acceptable. However, in time submission of tender in tender box shall be the responsibility of the bidder, sent through any mode. Documents submitted with the offer / bid shall be signed and stamped in each page by authorized representative of the bidder.
- e) Any additional documents submitted by supplier / bidder, during processing of registration application / tender or after placement of order shall not be accepted unless it is submitted with forwarding letter and duly signed and stamped.
- f) The bids of the bidders who are on the banned list and also the bids of the bidders, who engage the services of the banned firms, shall be rejected. The cutting / overwriting in the bid / offer must be duly attested by the signatories to the bid. The list of firms banned by BHEL is available on BHEL web site [www.bhel.com](http://www.bhel.com).
- g) Being PMD vendor, if you are not quoting against this tender enquiry, please send your regret letter positively for our reference with valid reasons for not participating in the tender enquiry. Repeated lack of response on the part of bidder may lead to deletion such PMD vendor from BHEL's approved vendor list.
- h) The bidders will submit Integrity Pact, duly signed by its authorized signatory, along with their bids wherever estimated tender value is Rs. 2 Crore or more.
- i) In case of open tender, technically qualified unregistered bidders may apply online for registration through <http://www.bhel.com/index.php/vender>.
- j) BHEL reserves the right to award tendered quantities among more than one bidder (after acceptance of L1 price by the other bidders). BHEL can also consider awarding of part of the tendered quantity to other than L-1 bidder at L1 counter offered rates, if the quantity offered by the L-1 bidder is less than the quantity tendered for.
- k) In case of e-Tendering (Online bidding through e-portal), offline bid submitted in hard copy or in any other form by the vendor / supplier will not be accepted and will be rejected out rightly. Only e-portal bid will be accepted.

#### 4. TENDER OPENING.

Tender opening is scheduled to start in the Tender Room at 2:00 PM, on the due date. Therefore, bid / quotations must reach this office / tender Box latest by 1:45 PM on due date. Only participating bidders are allowed to attend tender opening. **TENDERS RECEIVED AFTER THE SPECIFIED TIME OF THEIR 'SUBMISSION' WILL BE TREATED AS LATE TENDERS AND SHALL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES.** The bidders or their authorized representatives may be allowed to attend tender opening if duly authorized by their principals, through a tender specific letter on that particular day. General authorization letter is not acceptable.

***Note: - Foreign bidders willing to attend the bid opening has to provide the requisite documents to the concerned Purchase executives for arranging gate pass for them.***

#### 5. SPECIFICATION, DRAWINGS & STANDARD.

- a) Bidders must give their detailed specification in the quotation along with relevant technical literature / catalogue etc. against the tender enquiry.
- b) The Bid should be accompanied with relevant copies of catalogues, drawings or specification as per tender enquiry.

**## Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.**



## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

If these documents are not furnished, the offer is liable to be rejected.

- c) Wherever national / international (N/IN) standards are referred, the latest N/IN standards are to be followed. Mention year & date of standard revision that shall be followed for the supply.
- d) All Drawings and Standards are proprietary of BHEL. It must not be used in anyway detrimental to the interest of the company or without permission of BHEL.

### 6. PRICE SCHEDULE.

- a) Kindly quote your prices in figures and words both. In case of any discrepancy in value, the prices quoted in words shall be considered for evaluation and establishing L1 status.
- b) Prices quoted should not be more than the prices quoted to any other BHEL units / offices / divisions. Vendor to submit copy of latest Purchase Order placed by any unit of BHEL for similar items in the technical bid. In case no order has been placed on such items, specific confirmation that no order has been placed on such items should be provided.
- c) Prices should be quoted on F.O.R. Destination basis. Transit insurance shall be arranged by BHEL and not to be included in the prices. The offers quoted on other than F.O.R destination basis may result in non-consideration of such bids.
- d) In case BHEL accepts the EX-Works prices, such offers will be loaded by 1.5% of EX-Works value towards freight or with actual freight charges as per BHEL freight rate contract whichever is higher.
- e) In case of Indigenous items covered by DGS & D Rate Contract, the bidders should submit latest valid copy of the rate contract along with bid / quotation
- f) Applicable **IGST / CGST / SGST** and any other statutory levy should be indicated separately and clearly in the bid / quotation.

g) Bidders can dispatch goods through any Indian Bank Association approved transporters having their branch at HARIDWAR / destination. If material is dispatched through other than Indian Bank Association approved transporter, material to be delivered on door delivery BHEL Stores basis.

h) In case of dispatch of material through any other unapproved transporter, payment shall be made only after receipt of material and any additional charges payable to the transporter shall be to the bidder's account.

i) Any demurrage / godown rent payable to the transporter / or to godown's owner due to any delay attributed by the supplier shall be recovered from supplier's account.

j) Currency of Evaluation shall be INR.

**NB: Financial evaluation of L1, L2 .....Status will be on the basis of Landed Cost to BHEL.**

### 7. REVERSE AUCTION.

**Wherever RA is declared in the special terms and conditions of tender enquiry, following shall be applicable and Bidders to confirm the same:**

"BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on [www.bhel.com](http://www.bhel.com)) for this tender. RA shall be conducted among all the techno-commercially qualified bidders.

Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking."

### 8. DELIVERY TERMS.

a) Goods shall be delivered on 'FOR Destination' basis to the named destination unless otherwise called for in the tender enquiry.

b) Loading on account of 3rd party inspection charges in case of Indian bidders shall be 0.20%.





## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

### 9. LIQUIDATED DAMAGES (LD) FOR LATE DELIVERY.

#### a) Where items of Purchase Order are independently usable.

Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies. Value of delayed supplies will mean the Gross Value payable to the vendor (Before LD) against such supplies excluding taxes and duties.

#### b) Where the total items are required for a main equipment and items are interdependent.

Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on total value of Purchase Order subject to maximum of 10% of the total value of Purchase Order. Purchase Order value for this purpose shall be the Total Gross Value payable to the vendor (Before LD) excluding taxes and duties.

#### c) Bidders are requested to quote the best delivery meeting the delivery requirements. BHEL reserves the right to reject the offers not meeting BHEL's delivery requirement.

#### d) Commencement of delivery period shall be reckoned from the date of PO / LOI or any other agreed milestone.

#### e) Bidder shall deliver the goods in the manner and schedule agreed under the terms and conditions of Purchase order.

#### f) DELIVERY IN CASE OF REJECTION: In case the material is rejected, then date of replacement will be considered as the actual date of delivery.

#### g) DELIVERY AGAINST BANK DOCUMENTS: In case payment terms quoted by bidder are documents through bank, and the delivery terms being "FOR Haridwar / FOR Transporter Go-down" then date of delivery will be date of intimation by transporter / bidder of delivery of material at Haridwar for the LD purpose.

#### h) Where the payments are through bank, the documents may be presented for negotiation to BHEL authorized / nominated bank.

### 10. PAYMENT TERMS.

#### a) BHEL's standard payment term is Payment after receipt and acceptance of materials / items at HEEP, BHEL-Store or at desired destination unless otherwise specified in Special Terms attached to the tender enquiry.

#### b) BHEL reserves the right to accept or reject the offer of the bidder who quotes the payment term other than BHEL's standard payment term.

#### c) Loading on account of deviation in payment terms shall be done as per extant rules of BHEL-Haridwar.

#### d) 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 75 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. In case any discrepancy found in the documents, BHEL will notify the same to vendor within 7 days of receipt. Vendor has to clear all the discrepancies in one go within 7 days thereafter else the payment of vendor may get delayed.

#### e) For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, the payment will be made within 45 days or as prescribed in the relevant act.

#### f) Adherence to the above time schedule of payment is contingent upon Vendor complying with GST Rules w.r.t availment of Input Tax Credit by BHEL.

#### g) In case GST credit is delayed / denied to BHEL, due to non / delayed receipt of goods and / or tax invoice or expiry of the timeline prescribed in GST Law for availing such ITC, or any other reason not attributable to BHEL, GST amount shall be recoverable from Vendor along with interest levied / leviable on BHEL.

#### h) The taxes and duties that are reimbursed would be the ones applicable as on the contractual Purchase order delivery date or the amount actually paid whichever is less.

#### i) The loading criteria for the different payment terms shall be as under;

| Payment Terms | Days of |
|---------------|---------|
|---------------|---------|

## Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.

**BHARAT HEAVY ELECTRICALS LIMITED**

HEEP-HARIDWAR, UTTARAKHAND (249403)

**General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)****For Indian Bidders (Version June-2021, Rev: 06)**

|                                                                  |                                                                                                                   |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
|                                                                  | Loading                                                                                                           |
| After Receipt & Acceptance of material within 75 days of supply. | <b>No Loading</b>                                                                                                 |
| Against Delivery at BHEL-Stores Haridwar.                        | <b>45</b>                                                                                                         |
| Against documents through bank (CAD):                            | <b>45</b>                                                                                                         |
| Letter of Credit (LC)                                            | <b>120</b>                                                                                                        |
| Usance LC                                                        | No Loading if usance period is > 120 Days.                                                                        |
|                                                                  | Loading of days' difference i.e. difference between 120 days and usance period if the usance period is < 75 days. |
| Advance                                                          | Delivery Period + 120 Days - Advance Payment Days.                                                                |

j) Payment of Liquidated Damages (LD) shall not in any way relieve the vendor from any of its obligations & liabilities under the contract.

**11. TAXES & DUTIES.**

- a) The bidder to specify in their offer (part 1 bid) the category of their registration under GST like Registered, Unregistered and composite dealer.
- b) The provisional GST registration number of Bharat Heavy Electrical Ltd, Heavy Electricals Equipment Plant, Ranipur, Haridwar is "05AAACB4146P1ZL" with state Code as "05" and State Name as "Uttarakhand".
- c) Please quote our provisional GST registration number in all invoices raised for supply of goods and services under GST regime and also ensure filing of timely return and payment of tax and compliance of other applicable provisions on supplier under GST regime.
- d) No GST will be reimbursed to unregistered or composite dealer. In the event, any GST is quoted by composite dealer, the same shall be added to the cost of supply in evaluating the bid.
- e) Since, input credit of GST will be available to BHEL-Haridwar only after correct filing of return and payment of applicable GST by supplier, reimbursement of GST shall be made by BHEL-Haridwar on matching of vendor inputs at GST portal,

ensuring availability of input credit to BHEL Haridwar. Payment of GST will be made to vendor after matching of input credit and vendor to ensure submission of their invoices along with consent to accept payment of tax after such matching in all cases where bills are submitted directly to BHEL-Haridwar or through bank or under LC or through any other mode.

- f) In the event of any disallowance of input credit or applicability of interest or any other financial liability arises on BHEL-Haridwar due to any default of supplier under GST, such implication shall be to supplier's account.
- g) In the event of any change in the status of the vendor after the submission of the bid but before the supply, GST applicable at the time of supply or in the bid, based on the registration status of the vendor, whichever is lower shall be payable.
- h) Where ever applicable If PAN (Permanent Account Number) of the recipient is not available, income tax is deductible either at the normal rate or at the rate of 20 percent, whichever is higher as per Section 206AA of Indian Income Tax Act 1961.
- i) The bidder shall clearly indicate HSN (*Harmonised System Nomenclature*) / SAC (*Service Accounting Code*), its description and applicable rate of GST for each item in his techno-commercial bid.
- j) Statutory Variation in Taxes & duties as applicable at the time of supply shall be payable. However, in the event of no change in law but bidder quoting certain tax structure in bid document which is lower than the applicable one, such amount shall be the maximum amount of tax that can be claimed by bidder.
- k) **IMPORTED GOODS OFFERED BY INDIAN BIDDERS AGAINST DEALER INVOICE:** Wherever the material being offered is imported, the bidder must quote the prices inclusive of IGST. The rate and value of IGST as included in the price must be indicated separately. In case quantum of IGST is not mentioned by the bidder the same will not be considered for evaluation. However, bidder will have to pass on the benefit of IGST to BHEL at the time supply.



## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

- l) In case of directly dispatchable items to Customer's Site, BHEL-Haridwar will inform the GST registration number of the respective customer which must be mentioned on the vendor's invoice. Vendor to ensure availability of such information from BHEL-Haridwar before dispatch of any material. However, while filing GSTN-1, BHEL Haridwar GSTN number to be quoted.

Note: - Vendors must ensure compliance of all the applicable rules and procedure as envisaged in the GST Regime. Any loss to BHEL-Haridwar due to fault / non-compliance by the vendor will be to the vendor's account.

### 12. BANK GUARANTEE.

In case the bank guarantees are required to be deposited towards security deposit/performance guarantee or for any other purpose as per the terms of this tender enquiry, such bank guarantees of the requisite value in the denominated currency of the purchase order should be from one of the Indian branch of BHEL consortium banks and the bank guarantee should be in the proforma as prescribed by BHEL. The proforma of bank guarantee and the list of consortium banks are displayed at BHEL website [www.bhelhwr.co.in](http://www.bhelhwr.co.in). However, in case the bank guarantee is not from BHEL consortium banks, then the bidder has to get the bank guarantee confirmed from one of the Indian branch of BHEL consortium banks and the bank charges for such confirmation will be borne by the bidder.

### 13. GUARANTEE / WARRANTY AND CORRESPONDING REPAIRS / REPLACEMENT OF GOODS.

Goods shall comply with the specifications for material, workmanship and performance. Unless otherwise specified, the warranty shall be for a period of 18 months from the date of receipt. If the delivery is found non-compliant during the warranty period, leading to rejection, the Seller shall arrange free replacement / repair of goods, within one month from the date of intimation or any mutually agreed period. The rejected goods shall be taken away by the Seller at his cost and replaced on Delivered Duty Paid (DDP) (FOR - BHEL Stores / designated destination basis) within such period. In the event

of the Seller's failure to comply, Purchaser may take action as appropriate, including Repair / Replenish rejected goods & disposal of rejections, at the risk & cost of the Seller. In case the defects attributable to Seller are detected during processing of the goods at BHEL or at our subcontractor's works, the Seller shall be responsible for free replacement / repair of the goods as required by BHEL.

- b) **RETURN OF REJECTED MATERIAL FOR REPLACEMENT:** The bidder shall have to pay 5% incidental charges while taking back supplied material if it is found rejected on receipt. The rejected material shall be sent back only after receipt of replacement / submission of BG / refund of amount paid.

### 14. QUALITY REQUIREMENT.

Your bid / quotation should have specific confirmation regarding meeting all our quality requirements such as. (i) Test Certificate (TC), (ii) Guarantee Certificate (GC) / Warranty Certificate (WC), (iii) Quality Plan (QP) (if applicable); and (iv) Pre-Dispatch Inspection at your works (if applicable).

### 15. VALIDITY.

The quotation should be valid for a minimum period of 90 days effective from the date of opening of tender, unless otherwise specified in the tender enquiry.

### 16. RIGHT OF ACCEPTANCE.

- a) **BHARAT HEAVY ELECTRICALS LIMITED HARIDWAR** reserves the right to reject any or all the bids / quotations without assigning any reason thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Bidders should be prepared to accept order for reduced quantity without any extra charges.
- b) Any discount / revised offer / bids submitted by a bidder on its own shall be considered, provided it is received on or before the due date and time of offer / bid submission (Part-1). Conditional discounts shall not be considered for evaluation of tenders.
- c) Unsolicited discounts / revised offers / bids given after Part-1 bid opening shall not be accepted. No change in price will be





## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

permitted within the validity period asked for in the tender enquiry.

- d) In case of changes in scope and / or technical specification and / or commercial terms & conditions having price implication, techno-commercially acceptable bidders shall be asked by BHEL to submit the impact of such changes on their price bids. In case a bidder opts to submit revised price bid instead of impact called for then the latest price bid shall prevail. However, in both situations, original price bid will be necessarily opened.
- e) The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be returned after finalization of contract. EMD shall be forfeited in the event of bidder opting out after tender opening.
- f) BHEL reserves the right to short close the existing Purchase Order / Rate Contract / Work Order or any extension thereof at any stage.

### 17. TRANSIT INSURANCE.

- a) Transit Insurance will be covered by BHEL under its open Insurance Policy. Seller shall inform dispatch particulars (Purchase Order, RR /GR, Invoice value etc.) to "Finance department (Store bill Section), BHEL Ranipur, Haridwar (Uttarakhand-India) with value of consignment to the Purchaser within 07 days of dispatch for BHEL to arrange insurance coverage in its policy. Failure on the part of seller to inform dispatch particulars will make him liable to pay for any transit damages / losses suffered by the Purchaser.
- b) If Quoted Prices are inclusive of transit insurance, no weightage shall be given while evaluating the bids for Cost of Insurance, being in BHEL Scope.

### 18. RISK PURCHASE.

In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfillment of any other terms and conditions given in

Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract or under General Law.

### 19. FORCE MAJEURE CLAUSE.

Notwithstanding any other thing contained anywhere else in the contract or PO (Purchase Order), In case the discharge of obligation under the contract by either party is impeded or made unreasonably onerous, neither party shall be considered in breach of the contract to the extent that performance of their respective obligation is prevented by an event of Force Majeure that arises after the effective date (PO date).

In the above clause, Force Majeure means an event beyond the control of the parties to the contract which prevents a party from complying with any obligation of the contract including but not limited to:

- a) Act of God (Such as but not limited to earthquake, drought, tidal waves, floods etc.).
- b) War (whether war be declared or not), Hostilities Invasion, Act of foreign enemy etc.
- c) Rebellion, revolution, insurrection, civil war etc.
- d) Contamination of Radio Activity from any nuclear fuel or from any other nuclear waste or any other hazardous materials.
- e) Riots, commotions, strike unless restricted to the employees of supplier.
- f) Acts of terrorism.
- g) Other unforeseeable circumstances beyond the control of the parties and which the affected party cannot avoid even by using its best efforts.
- h) Cancellation of contract by customer.



## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

- i) Change in law / government. Regulation making the performance impossible.
- j) Pandemic or Epidemic.

The party claiming to be affected by force majeure shall notify the other party in writing immediately without delay on the intervention and on the cessation of such circumstances.

Irrespective of any extension of time, if an event of force majeure occurs and its effect continues for more than 180 days the affected party shall have right to cancel the contract.

As soon as reasonably practicable following the date of commencement of a Force Majeure Event, and within a reasonable time following the date of termination of a Force Majeure Event, either Party invoking it shall submit to the other Party reasonable proof of the nature of the Force Majeure Event and of its effect upon the performance of the Party's obligations under this Agreement.

The party shall, and shall ensure that its Subcontractors shall, at all times take all reasonable steps within their respective powers and consistent with Good Operating Practices (but without incurring unreasonable additional costs) to:

- a) Prevent Force Majeure Events affecting the performance of the party's obligations under this Agreement.
- b) mitigate the effect of any Force Majeure Event and
- c) Comply with its obligations under this Agreement.

If the war like situation has developed in a country where a seller's works is located in this P.O. or there is political instability and Indian Embassy located in that country forbids or advises for not having any business dealing with the sellers located in such zone / region/ country, then BHEL reserves the right to cancel the order.

### 20. NON-DISCLOSURE AGREEMENT.

All Drawing and Technical Documents relating to the product or it's manufacture submitted by one party to the other, prior or subsequent to the formation of contract, shall remain property of the submitting party. Drawing, technical documents or other technical information received by one party, shall not without the consent of the other party, be used for any other purpose than

that, for which they were provided. Such technical information shall not without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to a third party. Patterns supplied by BHEL will remain BHEL's property which shall be returned by the bidder on demand to BHEL. Bidder shall in no way share or use such intellectual property of BHEL to promote his own business with others or to make a commercial advantage. BHEL reserves the right to claim damages from the bidder, or take appropriate action as deemed fit against the bidder, for any infringement of the provisions contained herein as available under law or equity.

### 21. SETTLEMENT OF DISPUTES / ARBITRATION.

In case of any dispute arising out of as in connection with this contract, the same shall be referred to arbitration under Arbitration & Conciliation Act 1996 of a sole arbitrator who shall be appointed by mutual consent of the parties. The seat & venue of arbitration shall be Haridwar.

The proceedings shall be conducted in English. The Governing law of contract shall be the substantive law of India.

### 22. WHARFAGE / DEMURRAGE RESPONSIBILITY.

In the event of delay in receipt of documents by Manager (Stores-Shipping) BHEL-Haridwar and in case where dispatches are made through Unapproved Transporter the sole responsibility for wharfage / demurrage for such delay shall be that of supplier.

### 23. CONDITIONS FOR AVAILING MICRO & SMALL ENTERPRISES (MSE'S) BENEFITS.

- a) "MSE Suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (**five years** from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at annexure-1 where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid



## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

opening (Part 1 in case of two-part bid) or vendor has to give Udyog Adhar Memorandum (UAM). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents is found or the requisite documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer. **UAM need not required to be notarized or attested.**

**b)** Any new supplier will be eligible for registration with BHEL as MSE supplier provided at least any one of the following documents are submitted along with application for registration: -

1. Udyog Adhar Memorandum (UAM).
2. Valid National Small Industries Commission (NSIC) Certificate.
3. Entrepreneurs Memorandum part II (EM II) certificate (valid based on deemed validity of 5 years) or
4. EM II certificate along with attested copy of CA Certificate (as per prescribed format at annexure-A) applicable for the relevant financial year (latest audited), where the deemed validity of EM II is over.
5. However, credentials of all MSE suppliers will be verified before advancing the intended benefits.
6. MSE bidders claiming SC/ST status will have to submit SC/ST certificate of the Proprietor from competent authority. Attested (notarized or attested by Gazetted officer) copy to be submitted along with the offer.
7. In case techno-commercial accepted bidders include MSE source and their prices (based on landed cost – considering quoted prices) are within the price band of 15% w.r.t. L-1 bidder, then BHEL can offer **25%** of quantity of respective item (rounded off to nearest number) to MSE bidders at L-1 price and in case, more than one MSE bidder is in 15 % band and the same is accepted by more than one MSE bidders then **25%** quantities of respective items will be considered for ordering on proportionate basis amongst MSE bidders.
8. There will be minimum of **3%** reservation for women owned MSEs within the above mentioned 25% reservation.

9. The reservation for MSEs owned by SC/ST will be **6.25%** { 25% out of target of 25% - refer para 4 of Public Procurement Policy for the Micro and Small Enterprises(MSEs)}.
10. The definition of MSEs owned by Women Entrepreneurs is clarified as under:
  - a) In case of proprietary MSE, proprietor shall be Woman.
  - b) In case of partnership MSE, the Woman partners shall be holding at least 51% of share in the unit.
  - c) In case of Private Limited companies, at least 51% share shall be held by Women promoters.
11. The definition of MSEs owned by SC/ST is clarified as under:
  - a) In case of proprietary MSE, proprietor(s) shall be SC/ST.
  - b) In case of partnership MSE, the SC/ST partners shall be holding at least 51% of shares in the unit.
  - c) In case of Private Limited companies, at least 51% share shall be held by SC/ST promoters.
12. While distributing the **25%** quantity amongst MSE bidders the decimal points in quantity shall be ignored for all the bidders except the L-1 amongst MSE bidders. Balance quantity after allocating the quantity to other MSE bidders ignoring the quantities in decimal, shall be given to L-1 (amongst MSE) bidder. However, if there are more than one MSE bidder at the same price level than preference for additional quantities due to ignoring off the decimal (as mentioned above) shall be given to the bidder offering favorable terms to BHEL and if the conditions offered are also same then preference will be given to the bidder having high SPR rating.
13. In case there are more than one MSE bidders (with different landed cost to BHEL) within 15% price band of lowest bidder and quantity to be offered is 1 no. only, then preference shall be given to the MSE bidder with lowest landed cost.
14. In case there are more than one MSE bidders (with same landed cost to BHEL) within 15% price band of lowest bidder and quantity to be offered is 1 no. only, then preference shall be given first, based on the favorable terms in the bid and in case terms are also same, the bidder with high SPR rating shall be given preference.
15. If L1 bidder is MSE bidder, entire quantity will be given to such MSE bidder only.
16. Note: It may however be noted that MSE guidelines as on date (Date of Technical Bid Opening Part-1) shall prevail.





## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

17. "As per the OM No. F.No. 1(2)(1)/2016-MA dtd. 09.02.2017 issued from the Office of Development Commissioner (Micro, Small & Medium Enterprises), "Traders and agents should not be allowed to avail the benefits extended under the PP Policy."

In view of this, it is clarified that benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockists / Dealers / Traders etc. for the items offered but not manufactured by themselves."

### 24. INFORMATION TO THE BIDDERS.

- a) Purchase related information is available at our Business-to-Business (B2B) Portal available on our website <https://hwr.bhel.com>. The user ID & password can be obtained by sending a request to concerned purchase executives.
- b) Intimate your change in mail address or communication address or changes, if any, by email to AGM (SDX/MM) giving your bidder Code.
- c) Please resolve your rejections and unexecuted overdue purchase order immediately which are posted at our B2B Portal, which can be visited through our site <https://hwr.bhel.com>
- d) Copy of this Tender Enquiry is being sent through the post.
- e) The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.  
In case, the bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/guidelines.
- f) Supplier must upload digitally signed e-Invoice on B2B portal for processing of Bills.

In other cases, inked signed hard copy of Invoice to be submitted for processing of Bills.

### 25. MAKE IN INDIA (GOVT-NOTIFICATION).

- A. This tender enquiry shall be governed by notification no. P-45021/2/2017-PP (BE-II) dated 04.06.2020 of government of INDIA and subsequent circulars issued afterwards. Accordingly, the minimum local content, the margin of purchase preference and the procedure for preference to make in INDIA shall be adhered.
- B. The margin of purchase preference shall be 20%.
  - 'Class-I local Supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%, as defined under this order.
  - 'Class-II local Supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this order.
  - 'Non- local Supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%, as defined under this order.
- C. Vendor to specifically confirm if they are Class-I or Class-II local supplier or not as per above mentioned notification. Accordingly, the 'Class-I local supplier' / 'Class-II local Supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier' / 'Class-II local Supplier', as the case may be. They shall also give details of the location(s) at which the local value addition is made.
- D. In cases of Procurement for a Value in Excess of Rs. 10 Crores, the 'Class-I local supplier' / 'Class-II local Supplier' shall be required to provide a Certificate from the Statutory Auditor or Cost Auditor of the Company (in the case of companies) or from a practicing Cost Accountant or practicing Chartered Accountant (in respect of suppliers other than companies) giving the percentage of Local Content.
- E. Requirement of Purchase Preference:



## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

Purchase preference shall be given to 'Class-I local supplier' in procurements undertaken by procuring entities in the manner specified hereunder -

a. In the procurements of goods or works, which are covered by para 3(b) of mentioned Govt. circular and which are divisible in nature, the 'class-I local supplier' shall get purchase preference over 'Class-II supplier' as well as 'Non-local supplier', as per following procedure:

- i. Among All qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1.
- ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local supplier, then such balance quantity may also be ordered on the L1 bidder".

b. In the procurements of goods or works, which are covered by para 3(b) of mentioned Govt. circular and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'class-I local supplier' shall get purchase preference over 'Class-II supplier' as well as 'Non-local supplier', as per following procedure:

- i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
- ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference,

and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.

- iii. In case such lowest eligible 'Class-I local supplier', fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 prices, the contract may be awarded to the L1 bidder.

c. 'Class-II local supplier' will not get purchase preference in any procurement, undertaken by procuring entities.

F. For this procurement, the local content to categorize a supplier as a Class-I local supplier/ Class-II local supplier/ Non-local supplier and purchase preference to Class-I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.

G. Procurements where estimated value to be procured is less than Rs. 5 lakhs shall be exempted from GOI order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020.

H. For procurement of Goods & Services which are divisible in nature, following shall be operated for **MSE bidders** under Public procurement Policy for the Micro and Small Enterprises (MSEs) Amendment Order, 2019, Ref. No. AA: SSP: MSE: Amndt, dtd. 30.11.2018, Circular No. 44 of 2018-19;-

a. If L1 bid is not from "Class-I local Supplier" and price quoted by MSE bidder falls within the margin of Purchase preference (L1+15% for MSEs), then 25 % of total order quantity of respective item (rounded off to nearest number) shall be awarded to MSE bidder, subject to MSE bidder matching the L1 Price. Out of Remaining 75% quantity, distribution shall be operated as per below sub-clause (2) –

b. If "Class- I Local Supplier" (Next to L1, other than MSE) quoted price falling within the Margin of Purchase Preference, and "Class-I local supplier" matches the L1 price, then 50% of remaining Quantity (after allocation of 25% to



## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

MSE) i.e. 37.5% shall be awarded to local supplier and 37.5% shall be awarded to foreign bidder.

*Note: L1 Price refers to lowest evaluated / landed cost to Company.*

For Further details, please refer GOI order no. P-45021 / 2 / 2017 - PP (BE-II) dated 04.06.2020.

### **26. RESTRICTIONS UNDER RULE 144(XI) OF THE GENERAL FINANCIAL RULES (GFRs), 2017**

All provisions of Order No. F.No.6/18/2019-PPD of Department of Expenditure (DoE) shall be applicable for this tender enquiry (Order copy is available at <https://doe.gov.in/procurement-policy-divisions>). Accordingly, any bidder from a country which shares a land border with India (except the countries to which the Govt. of India has extended lines of credit or in which the Govt. of India is engaged in development projects for which list is available at <https://www.mea.gov.in/>) will be eligible to bid in this tender only if the bidder is registered with the Competent Authority as specified in Annex I of the said Order of DoE.

Updated list of the countries to which lines of credit have been extended or in which development projects are undertaken are available on the Ministry of External affairs website (<https://www.mea.gov.in/>)

For the purpose of this order, definition of Bidder from a country which shares a land border with India shall be same as defined in the Annex III of the said order.

Registration with the competent authority as stipulated in the said order is responsibility of bidder. Bidder has to submit a certificate certifying following along with offer:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that bidder (.... Name of Bidder) is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that bidder (.....Name of bidder) fulfils all requirements in this regard and is eligible to be considered"

If the bidder is from such country which shares a land border with India evidence of valid registration by the Competent Authority shall also be attached along with offer."

### **27. NOTE.**

- Special conditions of enquiry, if enclosed by BHEL, will supersede the respective standard / general terms of enquiry.
  - Any other Standard terms and Conditions of the bidder attached / referred against the tender enquiry will be treated as null and void ab initio.
  - In order to protect the commercial interests of BHEL, it becomes necessary to take action against suppliers / contractors by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business / money / reputation, indulged in malpractices, cheating, bribery, fraud or any other misconducts or formation of cartel so as to influence the bidding process or influence the price etc. Guide- lines for Suspension of Business Dealings with Suppliers / Contractors shall prevail over which is available at BHEL website <http://www.bhel.com>
  - The bidder along with its associate / collaborators / sub-contractors / sub-vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL-Management about any fraud or suspected fraud as soon as it comes to their notice.
  - "BHEL shall recover the amount of compensation paid to victim(s) by BHEL towards loss of life / permanent disability due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as detailed below;
- Victim:** Any person who suffers permanent disablement or dies in an accident as defined below.
  - Accident:** Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious

**## Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.**





## BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version June-2021, Rev: 06)

occurrence caused during the manufacturing / operation and works incidental thereto at BHEL factories/ **offices and precincts** thereof , project execution , erection and commissioning, services, repairs and maintenance, trouble shooting, serving , overhaul, renovation and retrofitting , trial operation, performance guarantee testing undertaken by the company or during any works / during working at BHEL Units/ Offices/ townships and premises/ project sites.

### 3. Compensation in respect of each of the victims:

- (i) In the event of death or **permanent disability** resulting from **Loss of both limbs**: Rs. 10,00,000/- (Rs. Ten Lakh).
- (ii) In the event of **other permanent disability**: Rs. 7,00,000/- (Rs. Seven Lakh).

4. Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to Section 2(l) of the Employees Compensation Act, 1923."

f) The bidder shall be in compliance with applicable laws, rules and regulations throughout the terms of the contract for conducting its business generally and to perform its obligations under this contract.

**Framework Confidentiality Agreement cum Undertaking**

This Agreement made on this the \_\_\_\_\_ day of (month) \_\_\_\_\_ 20\_\_\_\_  
("Effective Date") by and between

M/s BHARAT HEAVY ELECTRICALS LIMITED, having registered office at "BHEL House", Siri Fort, New Delhi – 110049 (India), acting through its \_\_\_\_\_ Unit (hereinafter may be referred to as "BHEL" or "the Company").

And

M/s \_\_\_\_\_ (address) \_\_\_\_\_  
represented by authorized representative Sri \_\_\_\_\_ (herein after referred to as the "Supplier").

The Supplier and the Company may, unless the context otherwise requires, hereinafter be collectively referred to as "Parties" or singly as the "Party".

**RECITALS**

Whereas, BHEL is engaged in the design, engineering, manufacturing, construction, testing, commissioning and servicing of a wide range of products, systems and services for the core sectors of the economy, viz. Power, Transmission, Industry, Transportation, Renewable energy, Oil & Gas and Defence and providing associated services to varied customers in relation to which BHEL/its affiliates own valuable information of a secret and confidential nature.

Whereas the Company may, in connection with Contract(s) (as defined hereunder) placed or to be placed upon the Supplier, or otherwise, from time to time, make available, Technical Information as is defined hereunder.

And Whereas BHEL is willing to provide such Technical Information to the Supplier from time to time and the Supplier understands and acknowledges that such Technical Information is valuable for the Company and as such is willing to protect confidentiality of such information, subject to the terms and conditions set out hereunder.

Now therefore, in view of the foregoing premises and in consideration of the mutual covenants and agreements hereinafter set forth, the Parties agree as under:

**1. Definitions:**

Unless the context so requires, in this Agreement, the following terms will bear the meaning ascribed to the said term in this clause.

- A. **"Contract"** means the Contract entered into with a Supplier and includes a Purchase Order, or a Work Order for procurement of any goods or for provision of any services.
- B. **"Effective Date"** means the date of this Agreement as mentioned in the preamble of this Agreement.

- C. **“Supplier”** includes a Contractor or a Vendor of the Company whether for supplying of goods or for providing any services under a Contract or both.
  - D. **“Technical Information”** includes Drawings, and/or Product Standards and/or Specifications and/or Corporate / Plant Specifications and/or Technological Process Sheets and/or Technical Data Sheets and/or Jigs & Fixtures and/or Pattern & Dies and/or Special Gauges and/or Tools etc. belonging to or wherein the Company has acquired from a third party a right of user and includes any improvement thereto from time to time whether carried out by the Company or by the Supplier.
  - E. **“Intended Purpose”** means the purpose for which the Technical Information is provided to the Supplier under or in connection with a Contract.
  - F. **“Improvement”** includes any modification made to, or adaptation of, the Technical Information which enhances or is calculated to enhance the performance (whether in terms of effectiveness or in terms of efficiency or both) of the product and/or the service to be provided by the Supplier under a Contract.
2. This Agreement shall come into force/deemed to have come into force, as the case may be, on the Effective Date; or, on the first date when the Technical Information or any part thereof is provided by BHEL to the Supplier; whichever is earlier.
3. **Agreement deemed to be incorporated in each Contract:** Unless and to the extent otherwise stipulated in the Contract, the conditions of this Agreement are deemed to be incorporated in all Contracts which may be entered into between the Company and the Supplier. Further, unless otherwise stipulated, the obligations under this Agreement are and will be independent of the obligations under the Contracts and such obligations of the Supplier hereunder will remain of full effect and validity notwithstanding that the period of validity of the Contracts has expired by efflux of time stipulated therein; or, the contract has been discharged by performance or breach; or, the termination of the Contracts for any reason whatsoever.
4. **Ownership:**
- 4.1 The Company may, from time to time, make available to the Supplier, Technical Information on a non-exclusive basis by way of loan.
- 4.2 The Supplier acknowledges and agrees that all Technical Information and copies thereof that are or may be provided by the Company to the Supplier, are and shall remain the property of BHEL or that of the concerned entity from whom BHEL has obtained the Technical Information and such Technical Information are and shall constitute trade secrets of the BHEL. Nothing in this Agreement or in any disclosures made hereunder by or on behalf of the Company shall be construed as granting upon the Supplier any patent, copyright or design or any other intellectual property rights of whatsoever description that subsists or may hereinafter exist in the Technical Information. Furthermore, nothing in this Agreement or in any disclosures made hereunder by or on behalf of the Company shall be construed as granting upon the Supplier any license or rights of use of such patent, copyright or design or any other



intellectual property rights of whatsoever description which may now or hereafter exist in the Technical Information except for use of the Technical Information strictly in accordance with this Agreement and the Contract and/or as directed in writing by the Company, solely for the Intended Purpose under the Contract.

4.3 Neither Party is obligated by or under this Agreement to purchase from or provide to the other Party any service or product and that any such purchase/sale of any product and/or service by one Party to the other Party will be governed by the Contract if any, that may be entered into by and between the Company and the Supplier.

4.4 The Supplier is/has been made well aware and acknowledges that the Technical Information being/which may be shared with it by the Company has been either generated by the Company by incurring huge investment and cost or obtained from foreign collaborators under Technical Collaboration Agreement (TCA) with stringent confidentiality conditions.

4.5 The Supplier agrees and undertakes to adhere to confidentiality requirements as applicable to BHEL under a TCA and also ensure that the confidentiality requirements are adhered to by all its concerned employees or sub-contractors/suppliers (where permitted to be engaged by BHEL). Any damages, losses, expenses of any description whatsoever, arising out of or in connection with a breach of the confidentiality requirements under a TCA owing to any act or omission on the part of the Supplier or its employees or sub-contractors/suppliers that is claimed by a foreign collaborator from the Company shall be wholly borne by the Supplier and it shall keep BHEL fully indemnified in this behalf. The demand by the Company shall be conclusive upon the Supplier who shall thereupon forthwith pay to the Company without demur, dispute or delay the amount as demanded without demanding any further proof thereof.

4.6 The Supplier agrees and undertakes that unless so decided and advised by the Company in writing all rights/title to any Improvement to the Technical Information shall vest in the Company. The Supplier undertakes and agrees to inform forthwith to the Company of any such Improvement made to the Technical Information and transfer all drawings/documents or other materials connected with such Improvement to the Company and also agrees to fully cooperate with the Company for protecting the Company's interests in such Improvement in the Technical Information including but not limited to obtaining necessary protection for the intellectual property rights in such improvement, if so desired by the Company. If a question arises whether a modification amounts to Improvement to the Technical Information, the same shall be decided by the Company and such decision shall be final and binding upon the Supplier.

**5. Use and Non-Disclosure:**

5.1 Unless otherwise stipulated by the Company, all Technical Information made available to the Supplier, by the Company shall be treated as Confidential irrespective of whether the same is marked or otherwise denoted to be Confidential or not.

- 5.2 The Supplier undertakes and agrees that the Technical Information in its possession shall be held in strict confidence and will be used strictly in accordance with this Agreement and solely for the Intended Purpose under the Contract. Use of the Technical Information for any other purpose other than Intended Purpose is prohibited.
- 5.3 In particular, the Supplier shall not use Technical Information or any Improvement in its possession for the manufacture or procurement of the Product(s) or components or parts thereof or use the Technical Information or any portion thereof or any modification or adaptation thereof in any form to provide any product and/or service to any third party, without the prior written consent of the Company.
- 5.4 The Supplier shall not disclose any of such Technical Information to any third party without the prior written consent of the Company. The Supplier agrees that without prior written consent of the Company, the Supplier shall not disclose to a third party about the existence of this Agreement, or of the fact that it is/was in possession of or has experience in the use of any Technical Information nor shall the Supplier share in any manner whatsoever, with a third party, the name or details of any Contract(s) awarded by the Company to it or performed by the Supplier or the scope of work thereof or share any document or correspondence by and between the Company and the Supplier in or in connection with this Agreement or such Contract(s). Notwithstanding what is stated elsewhere, the overall responsibility of any breach of the confidentiality provisions under this Agreement shall rest with the Supplier.
- 5.5 The Supplier undertakes and agrees not to make copies or extracts of and not to disclose to others any or all of the Technical Information in its possession, except as follows:
- (a) The Supplier may disclose the Technical Information to such of its officers and employees strictly to the extent as is necessary for such officer or employee for the Intended Purpose, provided that the Confidential Information (or copies thereof) disclosed shall be marked clearly as the confidential and proprietary information of Company and that such officers and employees shall similarly be bound by undertakings of confidence, restricted use and non-disclosure in respect of the Technical Information. The Supplier shall be responsible for any breach of such confidentiality provisions by such officers and employees.
  - (b) With the prior written consent of Company, the Supplier may disclose for the Intended Purpose such Technical Information as is provided for in such consent to such of its professional advisers: consultants, insurers and subcontractors who shall be similarly bound by undertakings of confidence, restricted use and non-disclosure in respect of such Technical Information.
  - (c) The Supplier shall not be prevented to make any disclosure required by (i) order of a court of competent jurisdiction or (ii) any competent regulatory authority or agency where such disclosure is required by law, provided that where the Supplier

intends to make such disclosure, it shall first consult Company and take all reasonable steps requested by it to minimize the extent of the Technical Information disclosed and to make such disclosure in confidence and also shall cooperate with the Company in seeking any protective order or any other remedy from proper authority in this matter.

**6. Exceptions:**

The obligations of the Supplier pursuant to the provisions of this agreement shall not apply to any Confidential Information that:

- a) was/is known to, or in the possession of the Supplier prior to disclosure thereof by the Company;
- b) is or becomes publicly known, otherwise than as a result of a breach of this agreement by the Supplier.
- c) is developed independently of the Disclosing Party by the Supplier in circumstances that do not amount to a breach of the provisions of this Agreement or the Contract;
- d) is received from a third party in circumstances that do not result in a breach of the provisions of this Agreement.

7. The obligation of maintaining confidentiality of the Technical Information on each occasion, shall subsist for the entire duration during which the Technical Information / equipment is in possession of the Supplier and shall thereafter subsist for a further period of --- years from the date when the complete Technical Information has been returned to the Company and if Technical Information has been returned in portions on different dates then, the period of ---- years will be reckoned from the date when the last portion of the Technical Information has been returned. Notwithstanding the expiry of the confidentiality obligation, the obligation of the Supplier under clause 5.4 shall continue to subsist for a further period of ----- years.

**8. Warranties & Undertakings:**

- a) The Supplier undertakes to ensure the due observance of the undertakings of confidence, restricted use and non-disclosure by its persons to whom it discloses or releases copies or extracts of the Technical Information.
- b) The Supplier shall keep the Technical Information or improvement made therein properly segregated and not mix up the same with any other material/documents belonging to him/it or to any other third party.
- c) The Supplier further undertakes that he/it shall not hypothecate or give on lease or otherwise alienate or do away with any of the Technical Information and/or equipment of the Company, made available to him/it, and undertakes that he/it shall hold the same as a trustee, in capacity of custodian thereof and use/utilise the same solely for the purpose of executing the Contract awarded by the Company.
- d) The Supplier further undertakes that he/it shall return all the equipment and/or Technical Information as far as practicable in the same condition in which the same was made available to him/it by the Company together with any Improvement thereon and the documents connected with such Improvement, to the Company forthwith upon completion of the scope



of work or Contract for which such Technical Information was provided by the Company to it or as directed by the Company together with a confirmation by way of an affidavit or in such manner as directed by the Company that it has not retained any equipment and/or Technical Information/Improvement thereof. In case any such equipment and/or Technical Information or Improvement thereof shall remain in his possession or is not capable of being returned, the retention and use of such Technical Information or Improvement thereto shall continue to be governed by this Agreement.

e) The Supplier undertakes to indemnify the Company for all the direct, indirect and/or consequential losses, damages, expenses whatsoever including any consequential loss of business, profits suffered by the Company owing to breach by the Supplier of its obligations under this Agreement and/or the confidentiality requirements, if any, contained in the Contract and that the Supplier hereby agrees that the decision of the Company in all such or any such matter/s shall be final and binding on the Supplier. On mere written demand of the Company, the Supplier shall forthwith and without demur or delay pay to the Company any such sum as determined by the Company as the amount of loss or damage or expense which has been suffered by the Company. The Supplier agrees that the Company shall be entitled to withhold and appropriate any amount payable to the Supplier under any Contract then existing between the Company and the Supplier, in case the Supplier fails to make payment, in terms of the written demand, within 7 days thereof. Without prejudice to the foregoing actions, in respect to any breach of this Agreement, the Company shall be entitled to take any other action against the Supplier as per applicable laws, the Contract, Company's applicable policies, guidelines rules, procedures, etc.

9. Without prejudice to any other mode of recovery as may be available to the Company for recovery of the amount determined as due as per Clause 8(e) hereinabove, the Company shall have a right to withhold, recover and appropriate the amount due towards such losses, damages, expenses, from any amount due to the Supplier in respect of any other Contract (s) placed on him/it by any department/office/Unit/Division of the said Company.

**10. Arbitration & Conciliation:**

a) In case amicable settlement is not reached between the Parties, in respect of any dispute  
or

difference or claim or controversy arising out of the formation, breach, termination, validity or execution of the Contract(or Agreement) or the respective rights and liabilities of the parties or in relation to interpretation of any provision of the Contract or in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other Party refer such dispute or difference or controversy or claim, (except as to any matters, the decision of which is specifically provided for therein) to the sole arbitration by the arbitrator appointed by Head/In-Charge of the Unit/Division/Region.

b) The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the parties to the dispute.

c) Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India), or other statutory modifications or re enactments thereof and the rules made thereunder and for

the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be at ----- **(Insert the name of the city/town of the concerned BHEL Unit/Division).**

d) In case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable:

In the event of any dispute or difference relating to the interpretation and application of the provisions of the Contract, such dispute or difference shall be referred to by either party to the arbitration of one of the arbitrators in the department of public enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law and Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary or Additional Secretary when so authorized by the Law Secretary, whose decision shall bind the parties hereto finally and conclusively.

e) Notwithstanding the existence or any dispute or differences and/or reference for the arbitration, the Supplier shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner.

#### **11. Governing Law & Jurisdiction:**

This Agreement shall be governed by and be construed as per applicable Indian Laws in force at the relevant time.

Subject to clauses 10(a) and 10(d) hereinabove, all matters in connection with the subject agreement shall be subject to exclusive jurisdiction of Courts situated at -----**(insert the name of the place where the BHEL Unit/Division is located)**

**SIGNATURE**

#### **WITNESSES**

1.

Name

Address:

2.

Name:

Address: